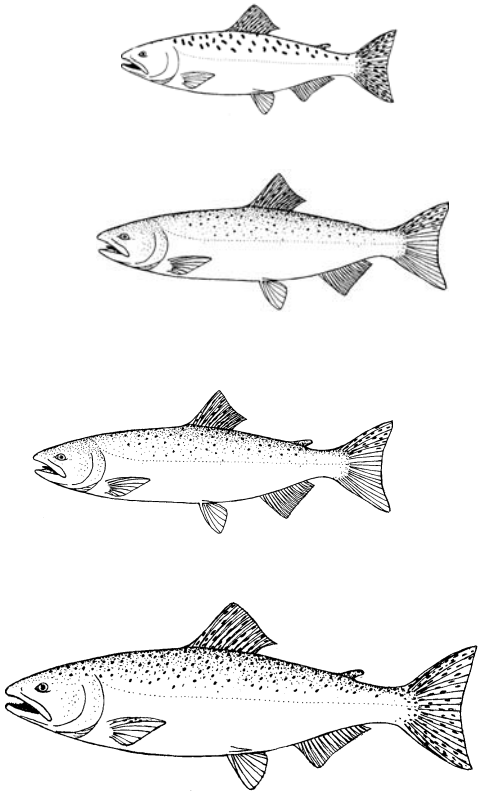
REVIEW OF 2008
OCEAN SALMON FISHERIES



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LIST OF ACRONYMS AND ABBREVIATIONS

AABM	aggregate abundance-based management
ADFG	Alaska Department of Fish and Game
AEQ	adult equivalents
CCC	central California coast (coho)
CDFG	California Department of Fish and Game
Council	Pacific Fishery Management Council
CVI	Central Valley Index
CWT	coded-wire tag
EEZ	exclusive economic zone (from 3-200 miles from shore)
ESA	Endangered Species Act
ESU	evolutionarily significant unit
FEAM	Fishery Economic Assessment Model
FMP	fishery management plan
FRAM	Fisheries Regulatory Assessment Model
ISBM	individual stock-based management
KMZ	Klamath management zone (ocean zone between Humbug Mountain and Horse Mountain where management emphasis is on KRFC)
KRFC	Klamath River Fall Chinook
LCN	Lower Columbia Natural (coho)
LCR	Lower Columbia River (natural tule Chinook)
LRH	lower Columbia River hatchery (tule fall Chinook returning to hatcheries below Bonneville Dam)
LRW	lower Columbia River wild (bright fall Chinook spawning naturally in tributaries below Bonneville Dam)
MCB	mid-Columbia River brights (bright hatchery fall Chinook released below McNary Dam)
MOC	mid-Oregon coast
MSY	maximum sustainable yield
NA	not available
NMFS	National Marine Fisheries Service
NOC	north Oregon coast
ODFW	Oregon Department of Fish and Wildlife
OCN	Oregon coastal natural (coho)
OPI	Oregon Production Index (coho salmon stock index south of Leadbetter Point)
PacFIN	Pacific Coast Fisheries Information Network
PSC	Pacific Salmon Commission
PST	Pacific Salmon Treaty
RER	rebuilding exploitation rate
RK	Rogue/Klamath (coho)
SCH	Spring Creek Hatchery (tule fall Chinook returning to Spring Creek Hatchery)
SEAK	Southeast Alaska
SONCC	southern Oregon/northern California coastal (coho)
SRFC	Sacramento River fall Chinook
SRFI	Snake River Fall Index
SRS	Stratified Random Sampling
STEP	Salmon Trout Enhancement Program
STT	Salmon Technical Team (formerly the Salmon Plan Development Team)
URB	upper river brights (naturally spawning fall Chinook normally migrating past McNary Dam)
USFWS	U.S. Fish and Wildlife Service
WCVI	West Coast Vancouver Island
WDFW	Washington Department of Fish and Wildlife

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INTRODUCTION

The Salmon Technical Team (STT), staff of the Pacific Fishery Management Council (Council), and National Marine Fisheries Service (NMFS) Southwest Region have prepared this postseason review of the 2008 ocean salmon fisheries off the coasts of Washington, Oregon, and California to help assess Council salmon management and to provide a detailed description of the affected environment for inclusion in a National Environmental Policy Act (NEPA) analysis of the 2009 management measures, if necessary. The STT and Council staff will provide three additional reports prior to the beginning of the ocean salmon season to help guide the Council's selection of annual fishery management measures. The reports will provide forecasts of stock abundance and analyze the impacts of the Council's proposed and adopted management recommendations. These reports will also document the analysis of alternatives for any NEPA analysis.

West Coast fisheries in Council-managed waters (ocean fisheries between the U.S./Canada border and the U.S./Mexico border from 3 to 200 nautical miles offshore) are directed toward and harvest primarily Chinook or king salmon, *Oncorhynchus tshawytscha*, and coho or silver salmon, *Oncorhynchus kisutch*. Small numbers of pink salmon, *Oncorhynchus gorbuscha*, also are harvested, especially in odd numbered years. There are no directed fisheries for other Pacific salmon species, which occur rarely in Council-managed harvests.

The Council's annual review of ocean salmon fisheries provides a summary of important biological and socioeconomic data from which to assess the impacts of past management actions, determine how well management objectives are being met, and improve regulations for the future. The Council will formally review this report at its March meeting prior to the development of management options for the approaching fishing season.

Chapter I summarizes ocean salmon fishery regulations and landings within the Council management area and management actions and landings under the jurisdiction of the Pacific Salmon Commission (PSC). Appendix A tables detail historical harvest data by state and by management area.

For Chinook and coho salmon, respectively, Chapters II and III assess, where possible, the achievement of pertinent management objectives by salmon stock (including those listed under the Endangered Species Act [ESA]), outline regulations to achieve the objectives, and summarize inside fisheries catch and spawner escapement data. Detailed information for other salmon species is not included, since Council fisheries have minor impacts on pink salmon escapements and no measurable impacts on sockeye or chum salmon or steelhead trout; however, catch and escapement data and objectives for Puget Sound pink salmon are summarized in Appendix B, Table B-42.

Socioeconomic impacts of the fisheries are discussed in Chapter IV. Appendices B through D provide historical data on inland landings and escapements, ocean regulations, and fishery-related socioeconomics, respectively.

The annual review of ocean salmon fisheries is drafted as early as landings and escapement information is available. The most recent entries are noted as preliminary and later updated when the data become final. If updated information or error corrections that could substantially affect the development of management measures for the upcoming season are available, an errata sheet will be included as an appendix in one of the subsequent STT preseason planning documents.

COMMON TABLE CONVENTIONS

All 2008 data provided in this report are preliminary. The following conventions apply to all tables in this report:

1. Due to rounding, the total values may not equal the sum of individual values.

2. A single dash indicates there are no data appropriate for a particular table cell, or in the case of fishing effort or landings, that the season was closed.

3. A double dash indicates no records are available, for example, a fishery may not have been sampled due to low and sporadic effort.

4. "NA" indicates data are not available at the time of publication, but are likely to be available at a future date.

CHAPTER I

COASTWIDE OCEAN FISHING SUMMARY

Chapter I contains or references tables summarizing the current and historical ocean salmon fishing regulations and harvest data. In addition, this chapter provides a brief summary of the Council's regulatory objectives, by management area, for the most recent fishing year, reports on the results of the Council's selective fisheries for marked hatchery coho, and bycatch mortality of Chinook and coho salmon. The final section in the chapter provides a brief summary of management information and harvests under the authority of the PSC.

COUNCIL-AREA REGULATIONS AND LANDINGS

Summaries of the 2008 regulations for non-Indian commercial troll, treaty Indian commercial troll, and recreational ocean salmon fishing in both the exclusive economic zone (EEZ) (3 to 200 nautical miles from shore) and state territorial waters (0 to 3 nautical miles from shore) are provided in Tables I-1, I-2, and I-3, respectively. Historical summaries of regulations for each of the three West Coast states and for treaty Indian troll fisheries are provided in Appendix C, Tables C-1 through C-7. Table C-9 provides a summary of inseason regulatory actions and events during the 2008 season.

Catch, quota, and fishing effort statistics are presented in the following series of tables:

Table I-4: Council area commercial and recreational ocean salmon fishing effort and landings of Chinook, coho, and pink salmon by state of landing.

Table I-5: Council area commercial and recreational ocean salmon fishing effort and landings of Chinook, coho, and pink salmon by management area.

Table I-6: The 2008 coho and Chinook quotas for each fishery compared with actual harvests.

Appendix A Tables A-1 through A-19: Historical monthly ocean salmon harvest data by state and port area.

Tables A-20 through A-28: Historical monthly ocean salmon harvest data by management area.

Appendix B Tables B-1 through B-43: Historical inside harvest and escapement data.

Appendix C Table C-8: Historical record of annual preseason catch quotas for the area north of Cape Falcon, as well as the stocks that were critical for ocean salmon management actions.

REGULATORY OBJECTIVES BY MANAGEMENT AREA

The sections below provide a brief outline of the regulatory objectives that shaped the 2008 ocean salmon fisheries by management area and species. Further details of the conservation and allocation objectives by salmon stock and an assessment of performance are provided in Chapters II and III for Chinook and coho, respectively.

Horse Mountain to U.S./Mexico Border

Chinook Fisheries

Chinook fisheries management in this area is guided by conservation objectives for Sacramento River fall Chinook (SRFC), Klamath River fall Chinook (KRFC), and by NMFS ESA consultation standards for

Sacramento River winter Chinook, California Coastal Chinook, Lower Columbia natural (LCN) coho, Oregon Coastal Natural (OCN) coho, and Southern Oregon/Northern California Coastal (SONCC). The Council structured 2008 Chinook salmon fisheries south of Horse Mountain (near Shelter Cove, California) to meet the following objectives:

1. The SRFC spawner escapement goal of 122,000 to 180,000 hatchery and natural adults. In 2008, SRFC triggered a Conservation Alert with a forecast escapement of 59,100 adult spawners in the absence of fishing south of Cape Falcon. According to the FMP, a Conservation Alert for this stock required closure of all Council-area Chinook fisheries in this area.

2. A Klamath basin natural area spawning escapement of no less than 40,700 fall Chinook adults and a spawner reduction rate of no more than 67 percent, along with the allocation objective of 50 percent of the allowable adult harvest for Federally-recognized tribal subsistence and commercial fisheries. The Council adopted the 40,700 management objective for 2008 as a rebuilding strategy after that stock triggered an Overfishing Concern by failing to meet the FMP conservation objective of 35,000 natural area adult spawners in 2004, 2005, and 2006.

3. The Sacramento River winter Chinook ESA consultation standard requiring that the recreational season between Point Arena and Pigeon Point shall open no earlier than the first Saturday in April and close no later than the second Sunday in November; the recreational season between Pigeon Point and the U.S./Mexico Border shall open no earlier than the first Saturday in April and close no later than the first Sunday in October. The minimum size limit shall be at least 20 inches total length. Commercial seasons between Point Arena and the U.S./Mexico border shall open no earlier than May 1 and close no later than September 30, with the exception of an October season conducted Monday through Friday between Point Reyes and Point San Pedro, which shall end no later than October 15. The minimum size limit shall be at least 26 inches total length.

4. The California Coastal Chinook ESA consultation standard requirement for an age-4 ocean harvest rate on KRFC of no greater than 16.0 percent.

5. The LCN coho ESA consultation standard requirement of no greater than an 8.0 percent exploitation rate (marine and mainstem Columbia River combined).

6. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 8.0 percent as required by the exploitation rate matrix recommended by the OCN coho work group that was adopted by the Council as expert biological advice in November 2000.

7. The SONCC coho ESA consultation standard requirement of no greater than a 13.0 percent marine exploitation rate on Rogue/Klamath (RK) hatchery coho.

Objective 1 was the constraining factor for 2008 Chinook fisheries management in this area, which resulted in a complete closure of ocean salmon fisheries after March 31, 2008 (Tables I-1 and I-3). Under the adopted regulations, no Chinook were projected to be harvested south of Horse Mountain, and 59,000 SRFC were projected to spawn in hatcheries and natural areas. The SRFC escapement forecast of 59,000 adults takes into account recreational harvest from Fort Bragg, California in February and March 2008 and non-retention impacts incurred from recreational coho fisheries in Oregon, totaling approximately 100 SRFC. In addition, the forecast included a complete closure of the 2008 Sacramento River Fishery for fall Chinook. The coastwide ocean harvest rate on age-4 KRFC was projected to be 2.4 percent (for fisheries from September 1, 2007 through August 31, 2008), and 40,700 KRFC adults were projected to spawn in natural areas.

Coho Fisheries

Coho fisheries management for 2008 in this area was guided by the ESA consultation standard for central California coastal (CCC) coho, which prohibits retention of coho in this area. No projection of non-retention fishery impacts on CCC coho was available; projected non-retention exploitation rates on LCN, OCN and RK coho were zero in this area. Retention of coho has been prohibited south of Horse Mountain since 1996. Coho are managed as a unit south of Cape Falcon, and details of the Council's management objectives shaping the 2008 fisheries are presented more fully in the Cape Falcon to Humbug Mountain section.

Humbug Mountain to Horse Mountain

Chinook Fisheries

The area between Humbug Mountain (near Port Orford, Oregon) and Horse Mountain (near Shelter Cove, California) is referred to as the Klamath Management Zone (KMZ). Chinook fisheries management in this area is guided by conservation objectives for SRFC, KRFC, and by NMFS ESA consultation standards for California Coastal Chinook, LCN coho. OCN coho, and SONCC coho. The Council structured 2008 Chinook salmon fisheries in the KMZ to meet the following objectives:

1. The SRFC spawner escapement goal of 122,000 to 180,000 hatchery and natural adults. In 2008, SRFC triggered a Conservation Alert with a forecast escapement of 59,100 adult spawners in the absence of fishing south of Cape Falcon. According to the FMP, a Conservation Alert for this stock required closure of all Council-area Chinook fisheries in this area.

2. A Klamath basin natural area spawning escapement of no less than 40,700 fall Chinook adults and a spawner reduction rate of no more than 67 percent, along with the allocation objective of 50 percent of the allowable adult harvest for Federally-recognized tribal subsistence and commercial fisheries. The Council adopted the 40,700 management objective for 2008 as a rebuilding strategy after that stock triggered an Overfishing Concern by failing to meet the FMP conservation objective of 35,000 natural area adult spawners in 2004, 2005, and 2006.

3. The California Coastal Chinook ESA consultation standard requirement for an age-4 ocean harvest rate on KRFC of no greater than 16.0 percent.

4. The LCN coho ESA consultation standard requirement of no greater than an 8.0 percent exploitation rate (marine and mainstem Columbia River combined).

5. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 8.0 percent as required by the exploitation rate matrix recommended by the OCN coho work group that was adopted by the Council as expert biological advice in November 2000.

6. The SONCC coho ESA consultation standard requirement of no greater than a 13.0 percent marine exploitation rate on RK hatchery coho.

Objective 1 above was the constraining factor on 2008 Chinook fisheries management in the KMZ, resulting in a closure of Council-area Chinook-directed ocean fisheries in this area. Under the adopted regulations, total harvest in the KMZ was projected to be zero Chinook in 2008, the coastwide ocean harvest rate on age-4 KRFC was projected to be 2.4 percent (for fisheries from September 1, 2007 through August 31, 2008), and 40,700 KRFC adults were projected to spawn in natural areas. Oregon scheduled late season terminal area fisheries (state waters only) near the mouth of the Chetco River with a projected harvest of 500 Chinook (Tables I-1 and I-3).

Coho Fisheries

Coho fisheries management in this area is guided by the ESA consultation standards for LCN, OCN, SONCC and CCC coho, which prohibit retention of coho south of the Oregon/California border. The 2008 Oregon recreational coho selective fishery was conducted from Cape Falcon to the Oregon/California border with an overall quota of 9,000 fish (Table I-3). No projection of non-retention fishery impacts on CCC coho was available; projected non-retention exploitation rates on LCN, OCN and RK coho in this area were 0.0 percent, 0.3 percent and 0.5 percent, respectively. This fishery was projected to result in incidental mortality of approximately 100 SRFC. Coho are managed as a unit south of Cape Falcon, and details of the Council's management objectives shaping the 2008 fisheries are presented more fully in the Cape Falcon to Humbug Mountain section.

Cape Falcon to Humbug Mountain

Chinook Fisheries

Chinook fisheries management in this area is guided by conservation objectives for SRFC, KRFC, and by NMFS ESA consultation standards for California Coastal Chinook, LCN coho, OCN coho, and SONCC coho. The Council structured 2008 Chinook salmon fisheries in this area to meet the following objectives:

1. The SRFC spawner escapement goal of 122,000 to 180,000 hatchery and natural adults. In 2008, SRFC triggered a Conservation Alert with a forecast escapement of 59,100 adult spawners in the absence of fishing south of Cape Falcon. According to the FMP, a Conservation Alert for this stock required closure of all Council-area Chinook fisheries in this area.

2. A Klamath basin natural area spawning escapement of no less than 40,700 fall Chinook adults and a spawner reduction rate of no more than 67 percent, along with the allocation objective of 50 percent of the allowable adult harvest for Federally-recognized tribal subsistence and commercial fisheries. The Council adopted the 40,700 management objective for 2008 as a rebuilding strategy after that stock triggered an Overfishing Concern by failing to meet the FMP conservation objective of 35,000 natural area adult spawners in 2004, 2005, and 2006.

3. The California Coastal Chinook ESA consultation standard requirement for an age-4 ocean harvest rate on KRFC of no greater than 16.0 percent.

4. The LCN coho ESA consultation standard requirement of no greater than an 8.0 percent exploitation rate (marine and mainstem Columbia River combined).

5. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 8.0 percent as required by the exploitation rate matrix recommended by the OCN Coho Work Group that was adopted by the Council as expert biological advice in November 2000.

6. The SONCC coho ESA consultation standard requirement of no greater than a 13.0 percent marine exploitation rate on RK hatchery coho.

Objective 1 above was the constraining factor on 2008 Chinook fisheries management in the KMZ, resulting in a closure of Council-area Chinook-directed ocean fisheries in this area. Under the adopted regulations, total harvest in the KMZ was projected to be zero Chinook in 2008, the coastwide ocean harvest rate on age-4 KRFC was projected to be 2.4 percent (for fisheries from September 1, 2007 through August 31, 2008), and 40,700 KRFC adults were projected to spawn in natural areas. Oregon

scheduled late season terminal area fisheries (state waters only) near the mouth of Tillamook Bay and Elk River with a projected harvest of 1,300 Chinook (Tables I-1 and I-3).

Coho Fisheries

Coho fisheries management in this area is guided by NMFS ESA consultation standards for LCN coho, OCN coho, and SONCC coho. The Council structured 2008 coho salmon fisheries in this area to meet the following objectives:

1. The LCN coho ESA consultation standard requirement of no greater than an 8.0 percent exploitation rate (marine and mainstem Columbia River combined).

2. The OCN coho allowable exploitation rate (marine and freshwater combined) of no greater than 8.0 percent as required by the exploitation rate matrix recommended by the OCN Coho Work Group. The Salmon FMP had a 2008 management objective of a combined marine/freshwater exploitation rate no greater than 15 percent, however based on its review of salmon FMP Amendment 13, the OCN Coho Work Group developed a modified version of this matrix, which was accepted by the Council as expert biological advice in November 2000.

3. The SONCC coho ESA consultation standard requirement of no greater than a 13.0 percent marine exploitation rate on Rogue/Klamath (RK) hatchery coho.

The Council adopted seasons were projected to have:

1. A coastwide marine exploitation rate for LCN natural coho of 6.0 percent.

2. A coastwide marine and freshwater exploitation rate for OCN coho of 6.9 percent.

3. A coastwide marine exploitation rate for RK coho of 1.0 percent.

The Council's marine exploitation rate for LCN, OCN, and RK coho assumed a 14 percent hook-and-release mortality rate in recreational fisheries and a 26 percent rate in commercial troll fisheries off Oregon and Washington.

The 2008 Oregon recreational coho selective fishery was conducted from Cape Falcon to the Oregon/California border with an overall quota of 9,000 fish (Table I-3). Under the adopted regulations, the projected harvest impacts and non-retention mortality resulting from recreational fisheries south of Cape Falcon to be equivalent to exploitation rates of 3.9 percent for OCN coho stocks, 1.0 percent for LCN coho, and 0.7 percent for RK coho. This fishery was also projected to result in incidental mortality of approximately 100 SRFC.

U.S./Canada Border to Cape Falcon

Chinook Fisheries

Management objectives for Chinook fisheries in this area were to comply with NMFS ESA consultation standards for Columbia Basin lower river wild (LRW), lower Columbia River (LCR) tule, and Snake River wild (SRW) fall Chinook, meet WDFW policy objectives for stocks not meeting escapement objectives, meet treaty Indian sharing obligations and the allocation provisions in the Salmon FMP, provisions of the Pacific Salmon Treaty (PST), and to the extent possible, provide for viable ocean and inriver fisheries while meeting natural stock escapement objectives and hatchery fall Chinook brood stock needs. Columbia lower river hatchery (LRH) and Spring Creek Hatchery (SCH) fall Chinook have

historically been the major contributors to ocean fishery catches in the Council area north of Cape Falcon. The WDFW policy objectives for LRW fall Chinook was the primary constraint for 2008 ocean fisheries in this area.

The Council structured Chinook salmon fisheries between Cape Falcon, Oregon and the U.S./Canada Border to meet the following objectives (in order of most to least constraining):

1. A Washington State objective of adult equivalent (AEQ) exploitation rate limit in southern U.S. fisheries of no more than 10 percent if the MSY spawner goal for North Lewis River fall Chinook (LRW) of 5,700 is projected to not be met.

2. The LCR natural tule Chinook ESA consultation standard requirement for a combined marine and freshwater exploitation rate of no greater than 41.0 percent.

3. The Snake River fall Chinook ESA consultation standard of at least a 30.0 percent reduction in the total ocean age-3 and age-4 AEQ exploitation rate from the 1988-1993 average.

4. For select Chinook stocks of concern to the Pacific Salmon Commission, keep the Individual Stock Based Management (ISBM) index at or below 60.0 percent of the 1979-1982 average.

The Council adopted 2008 harvest quotas of 20,000 Chinook for recreational fisheries, 20,000 Chinook for commercial non-Indian troll, and 37,500 Chinook for treaty Indian troll fisheries (Tables I-1, I-2, and I-3). Total allowable harvest set preseason for the non-Indian commercial and recreational fisheries for Chinook in 2008 was 40,000, compared to 32,500 in 2007. For the treaty Indian fishery the overall quota was 37,500 Chinook compared to 35,000 in 2007. The 2008 ocean salmon fisheries were projected to have an 8.9 percent AEQ exploitation rate in southern U.S. fisheries on LRW, a 35.8 percent total AEQ exploitation rate on LCR natural tules, and a 53.4 percent reduction from the base period AEQ exploitation rate for SRW.

Coho Fisheries

Management objectives for coho fisheries in this area were to comply with NMFS ESA consultation standards for LCN and OCN coho, meet treaty Indian sharing obligations and the allocation provisions in the Salmon FMP, provisions of the PST, and to the extent possible, provide for viable ocean and inriver fisheries while meeting natural stock escapement objectives and hatchery coho brood stock needs. Columbia River early and late hatchery coho have historically been the major contributors to ocean fishery catches in the Council area north of Cape Falcon. The LCN coho ESA consultation standard was the primary constraint for 2008 ocean fisheries in this area.

The Council structured coho salmon fisheries to meet the following objectives (in order of most to least constraining):

1. The LCN coho ESA consultation standard requirement for a combined marine and mainstem Columbia River exploitation rate of no greater than 8.0 percent.

2. A total exploitation rate on Interior Fraser coho of no more than 10.0 percent in accordance with the provisions of the southern coho management plan adopted by the PSC in February, 2002.

3. Meet inside/outside and treaty Indian/non-Indian allocation objectives.

4. Meet FMP objectives for allocation of impacts between commercial and recreational ocean fisheries, and among port areas for the recreational fishery.

The Council adopted a mark-selective recreational fishery quota of 20,350 coho, with the requirement that all retained coho must be marked with healed adipose fin clip (Table I-3). The Council adopted commercial harvest quotas of 4,000 marked coho for the non-Indian commercial troll mark-selective fishery (Table I-1) and 20,000 coho for the treaty Indian troll fishery (Table I-2), which was not mark-selective. Total allowable harvest set preseason for the non-Indian commercial and recreational fisheries for coho in 2008 was 24,350, compared to 140,000 in 2007. For the treaty Indian fishery the overall quota of 20,000 coho was lower than the 38,000 coho quota in 2007. The 2008 ocean salmon fisheries were projected to have a 6.0 percent exploitation rate in marine fisheries on LCN coho, an 8.3 percent U.S. fisheries exploitation rate on Lower Fraser (Thompson River) natural coho, and a 6.9 percent exploitation rate in marine and freshwater fisheries on OCN coho.

SELECTIVE FISHERIES AND SALMON BYCATCH

Estimated incidental Chinook and coho mortalities are reported in Table I-7. Unless otherwise noted, Chinook mortality estimates from north of Cape Falcon and coho mortality estimates coastwide were based on preseason projections scaled by the ratio of observed to projected catch; Chinook mortality estimates south of Humbug Mountain, Oregon are based on expansion of dockside sampling data. Under the Sustainable Fisheries Act, incidental mortality in commercial fisheries constitutes bycatch mortality, but incidental mortality resulting from the non-retention recreational fisheries does not.

Selective Chinook Fisheries

No mark-selective Chinook fisheries were conducted in Council-area fisheries in 2008, however, three Oregon state waters terminal area recreational fisheries had mark selective requirements (Table I-3).

In 2008, recreational fisheries in the Strait of Juan de Fuca operated under mark-selective retention restrictions for both Chinook and coho in Area 5 and the portion of Area 6 west of Port Angeles, from July 1 through August 9. In contrast to their previous five seasons, the Areas 5 and 6 mark selective fisheries were managed on season- rather than quota-based criteria. After August 9, the fisheries in Areas 5 and 6 remained open for marked coho only (no Chinook retention) through September 15; Area 5 operated under non-selective fishing regulations for coho from September 16 through September 30 while Area 6 remained selective for marked coho through September 30. Catch and release estimates, derived from creel census programs conducted during the mark-selective fisheries in Area 5 from July 1 through September 15 and in Area 6 from July 1 through August 9, are presented in Table I-9.

Mark selective Chinook fisheries were also held in Puget Sound Area 9 from July 16 through August 15, in Area 10 from July 16 through August 15, in Area 11 June 1 through September 30, and in Area 13 May 1 through September 30. Winter mark selective fisheries were held in Area 7 from February 1 through 29, 2008 and February 1 through April 15, 2009. Winter mark selective Chinook fisheries were held in Areas 8-1 and 8-2 November 1, 2007 through April 30, 2008 and January 1, 2009 through April 30, 2009. Area 9 had mark selective Chinook opportunity from January 16 through April 15, 2008 and for all of November, 2008 as well as January 16 through April 15, 2009. Area 10 had mark selective Chinook fisheries from December 1, 2007 through January 31, 2008 as well as December 1, 2008 through January 31, 2009.

Selective Coho Fisheries

Recreational fisheries selective for marked coho were planned for the area between Cape Falcon and the Oregon/California border, the four ocean subareas north of Cape Falcon, and the inside fisheries at Buoy 10, Area 4B, and the Strait of Juan de Fuca (Areas 5 and 6). Numerous other Puget Sound, inside, and

freshwater recreational fisheries in Washington and Oregon had mark-selective restrictions for coho. Non-Indian commercial fisheries selective for marked coho were planned for the area between the U.S./Canada border and Cape Falcon. Preseason and inseason assessments of mark rates, catches, numbers of coho released, and incidental (bycatch) mortality for Council-area and some mixed stock inside fisheries are summarized in Table I-8. Fisheries were sampled by a combination of on-water observers and dockside interviews. The observed mark rates north of Cape Falcon were lower than predicted preseason in the northern portion of the area and similar to what was predicated in the southern portion of the area and in the area south of Cape Falcon.

PACIFIC SALMON COMMISSION

The PSC was established to implement the 1985 Pacific Salmon Treaty (PST) between the United States and Canada. Because many of the stocks under the jurisdiction of the Council are significantly affected by management actions taken in Canadian and Alaskan waters, considerable interaction between the Council and the PSC occurs at both the policy and technical levels. Actual catches for PSC fisheries of the most relevance to the Council are summarized in Tables I-10 and I-11. Note that these catch statistics do not correspond to provisions of the PST for compliance with aggregate abundance-based management (AABM; see below); nor do they reflect incidental mortality losses associated with the regulation of these fisheries, except as noted.

Chinook Fisheries

Northern British Columbia (B.C.) and Southeast Alaska (SEAK) fisheries affect far-north migrating Chinook stocks from Washington, Oregon, and Idaho. These include Washington coastal stocks; Columbia and Snake River bright fall and summer stocks; and far-north migrating Oregon coastal Chinook stocks.

The West Coast Vancouver Island (WCVI) troll and Georgia Strait troll and recreational fisheries affect far-north migrating stocks (including LRW) to a lesser degree, but have a major impact on more southerly distributed Columbia River tule and Puget Sound stocks.

In June 1999, the United States and Canada reached agreement on a framework for Chinook fishing regimes for 1999 through 2008. Under this agreement, SEAK (all gear), northern B.C. (troll and recreational), and WCVI (troll and outside recreational) fisheries were regulated under aggregate AABM regimes. These fishery regimes had catch ceilings derived from indices for total aggregate abundance of stocks contributing to specific components of the fisheries and target fishery harvest rates. For example, the allowable catch for WCVI troll and outside sport fisheries were determined by the abundance index estimated for the WCVI troll fishery. The allowable catch for the WCVI AABM fisheries was designed to reduce harvest rates for the combined troll and outside sport fisheries by approximately 35 percent from levels observed during 1985 through 1996. Provisions of a newly ratified Annex to the PST will be in effect for 2009 fisheries, further reducing harvest rates in SEAK and WCVI AABM fisheries by 15 percent and 30 percent respectively. The United States and Canada are developing management regimes for AABM fisheries based on total mortality rather than landed catch.

For fisheries not driven by AABM regimes, including Council area fisheries, the 1999 agreement established conservation obligations to reduce harvest rates on depressed Chinook stocks (those not meeting escapement goals) by 36.5 percent for Canadian fisheries and 40 percent for United States fisheries, relative to levels observed during 1979 through 1982. This individual stock based management (ISBM) obligation was taken into account during Council and inside fisheries preseason management planning processes.

In 2008, AABM fisheries were conducted in accordance with the obligations set forth in the June 1999 PST agreement. SEAK fisheries were constrained by an all-gear catch ceiling of 170,000 "treaty" Chinook in 2008, a substantial reduction from the ceiling of 329,400 in 2007. "Treaty" Chinook are those fish that are counted against the AABM catch ceiling; they represent total catch minus terminal exclusions (fish taken in terminal net fisheries where escapement goals are achieved) and hatchery add-ons (fish attributed to production from Alaskan hatchery facilities in excess of levels observed prior to the 1985 PST). Because of the magnitude of the required reduction in catch in 2008, Alaska implemented a Chinook minimum size limit of 48 inches for non-resident recreational anglers on July 15. The 2008 total catch of Chinook by SEAK fisheries was 236,500, while the catch of "treaty" Chinook was 164,200.

The catch ceiling for the Northern B.C. AABM fisheries (northern B.C. troll plus Queen Charlotte Islands sport) in 2008 was 124,800, compared to a ceiling in 2007 of 178,000 Chinook. The actual catch was estimated at 95,600 (52,100 troll plus 43,500 sport).

In addition to the overall catch ceiling determined by the PST, Canada's principal management objectives for the 2008 WCVI Chinook troll fishery were to address concerns for Lower Strait of Georgia Chinook, WCVI Chinook stocks, spring run upper Fraser River Chinook, and Interior Fraser (Upper Fraser and Thompson) coho. The total allowable catch by WCVI AABM fisheries under the 1999 PST Agreement was 162,600 while the reported catch was 143,800; 89,700 troll, 3,800 First Nations, and 50,300 recreational (Table I-11).

A total of 12 openings were conducted for the WCVI troll fishery (Table I-12) in accounting year 2008 (October 2007 through September 2008). Fisheries were closed from March 1 through mid-April to protect Fraser spring stocks and lower Georgia Strait Chinook. To protect local WCVI Chinook stocks, no fisheries were conducted in July, and August fisheries were limited to a single 3-day opening. To protect Interior Fraser coho, coho non-retention was in effect during the entire season except for a brief period in late September when retention of hatchery coho was allowed. Revival tanks were also used for coho prior to release.

The WCVI outside sport fishery (the area where non-local stocks predominate) operated under a 45 cm (17.7 inches) total length minimum size limit, but with the additional restriction that Chinook over 77 cm (30.3 inches) could not be retained in the surfzone corridor (within 1 mile of shore) to protect local-origin stocks. The fishery harvested 50,300 fish, an increase of about 30 percent from the 2007 catch.

Catch estimates for all Canadian ISBM fisheries in northern B.C. were incomplete; the reported Chinook catch in 2008 was approximately 6,100 by commercial gillnets. Approximately 2,900 Chinook were caught by anglers from lodges in Rivers Inlet, Hakai Pass, and Bella Bella. This was less than 50 percent of the 2007 catch. Surveys of private angler catch were not conducted, but were believed to be less than the lodge catch. Tidal area sport catches near the mainland coast of northern B.C. in 2008 were estimated to be more than 12,000. Catches by First Nations were 15,000 Chinook for the North Coast and 2,900 for the Central Coast.

Canadian ISBM fisheries in Southern B.C. in 2007 harvested a total of 133,900 Chinook (76,500 sport, 49,100 First Nations, and 8,300 commercial).

No direct management measures for Chinook salmon within the Council management area were specified under the 1999 PST agreement, except for the ISBM commitment. The Council's ocean fisheries and inside fisheries conducted by the state and tribal managers were designed to minimize impacts on spawning escapements of depressed stocks and preseason estimates of impacts were in compliance with

terms of the PST agreement. Information necessary to evaluate the postseason impacts of Council area fisheries was not available.

Coho Fisheries

In 2002 the PSC adopted a management plan for coho salmon originating in Washington and southern B.C. river systems. The plan is directed at the conservation of key management units, four from southern B.C. (Interior Fraser, Lower Fraser, Strait of Georgia Mainland, Strait of Georgia Vancouver Island) and nine from Washington (Skagit, Stillaguamish, Snohomish, Hood Canal, Strait of Juan de Fuca, Quillayute, Hoh, Queets, and Grays Harbor). Under the plan, the United States and Canada were required to constrain total fishery exploitation rates to levels associated with the categorical status (low, moderate, and abundant) and target exploitation rates of the key management units as determined by domestic managers. Ceilings on exploitation rates by intercepting fisheries were established through formulas specified in the plan.

The forecast of 2008 abundance indicated that the status of interior Fraser River coho remained critically low. The lower Fraser, Georgia Basin, and the Johnstone Strait coho management units were all forecast to be at low status. WCVI coho were forecast to return poorly and their status was also considered to be low.

In 2008, Canada's coho management objective was to constrain the exploitation rate by its fisheries on Thompson coho (a component of the Interior Fraser management unit) to a ceiling of 3 percent. Unmarked coho were released in many Southern B.C. commercial and sport fisheries where Thompson coho were known to be prevalent. Estimated release mortality rates for legal size coho by gear type were: Seine 25 percent; Northern Gillnet 70 percent; Southern Gillnet 60 percent; Troll 26 percent; and Sport 10 percent (Canadian Stock Assessment Secretariat, Research Document 99/128). Only terminal area fisheries along the WCVI and small portions of upper Johnstone Strait and the Queen Charlotte Islands were permitted for a short time period to retain coho with intact adipose fins. Selective fishing techniques, such as barbless hooks for trollers, seine bunt restrictions, and mandatory use of revival tanks, were required. A total of 5,354 coho were retained by commercial fisheries in 2008 (374 troll, and 4,980 net). Coho kept and released by marine commercial fisheries in Southern B.C. are summarized in Table I-13.

For recreational fisheries, mark-selective coho retention was permitted in mixed stock areas, and barbless hooks were required. Mark-selective fisheries were implemented in most of southern B.C. (Johnstone Strait, Strait of Georgia, Juan de Fuca Strait, and WCVI). The estimated total retained catch of coho in southern B.C. marine recreational fisheries in 2008 was 33,300. Coho kept and released by marine recreational fisheries in southern B.C. are summarized in Table I-14.

First Nations fisheries in southern B.C. were estimated to have harvested 28,600 coho.

TABLE I-1. Summary of actual ocean non-Indian commercial troll salmon fishing regulations for 2008. (Page 1 of 3)

Area and Season	Salmon Species	Actual Quota (Guideline*) Chinook	Actual Quota (Guideline*) Coho	Special Restrictions[a/]
U.S./Canada border to Cape Falcon, OR				
May 3-6, 10-13, 17-20, 24-27, May 31-June 3, June 7-10, 14-17, 21-24 (46 days)	All except coho	11,700*	-	Open Saturday through Tuesday. Per vessel per open period landing and possession limit of: 50 Chinook north of Leadbetter Point or 50 Chinook south of Leadbetter Point through June 17; 35 Chinook north of Leadbetter Point or 35 Chinook south of Leadbetter Point June 21-24. Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed. Oregon State regulations require that fishers south of Cape Falcon, OR intending to fish within this area notify Oregon Department of Fish and Wildlife before transiting the Cape Falcon, OR line (45º46'00" N. lat.) at the following number: 541-867-0300 Ext. 271. Vessels must land and deliver their fish within 24 hours of any closure of this fishery. Under state law, vessels must report their catch on a state fish receiving ticket. Vessels fishing or in posession of salmon while fishing north of Leadbetter Point must land and deliver their fish within the area and north of Leadbetter Point. Vessels fishing or in posession of salmon while fishing south of Leadbetter Point must land and deliver their fish within the area and south of Leadbetter Point, except that Oregon permitted vessels may also land their fish in Garibaldi, Oregon. Oregon State regulations require all fishers landing salmon into Oregon from any fishery between Leadbetter Point, Washington and Cape Falcon, Oregon must notify ODFW within one hour of delivery or prior to transport away from the port of landing by calling 541-867-0300 Ext. 271. Notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery.

TABLE I-1. Summary of actual ocean non-Indian commercial troll salmon fishing regulations for 2008. (Page 2 of 3)

Area and Season	Salmon Species	Actual Quota (Guideline*) Chinook	Actual Quota (Guideline*) Coho	Special Restrictions[a/]
July 1-2, 5-8, 12-15, 19-22, 26-29; Aug. 2-5, 9-12, 16-19, 23-26, Aug. 30-Sept. 2; Sept. 6-9, 13-16 (46 days)	All salmon except no chum retention north of Cape Alava, WA in August and September	8,800[b/]	3,000[c/]	Open Saturday through Tuesday through September 16. Per vessel per open period landing and possession limit of 35 Chinook and 25 marked coho north of Leadbetter Point or 35 Chinook and 25 marked coho south of Leadbetter Point through July 29; 50 Chinook and 25 marked coho north of Leadbetter Point or 50 Chinook and 25 marked coho south of Leadbetter Point thereafter. Gear restricted to plugs six inches or longer through August 12, no special gear restriction thereafter. Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed. Oregon State regulations require that fishers south of Cape Falcon, OR intending to fish within this area notify Oregon Department of Fish and Wildlife before transiting the Cape Falcon, OR line (45º46'00" N. lat.) at the following number: 541-867-0300 Ext. 271. Vessels must land and deliver their fish within 24 hours of any closure of this fishery. Under state law, vessels must report their catch on a state fish receiving ticket. Vessels fishing or in posession of salmon while fishing north of Leadbetter Point must land and deliver their fish within the area and north of Leadbetter Point. Vessels fishing or in posession of salmon while fishing south of Leadbetter Point must land and deliver their fish within the area and south of Leadbetter Point, except that Oregon permitted vessels may also land their fish in Garibaldi, Oregon. Oregon State regulations require all fishers landing salmon into Oregon from any fishery between Leadbetter Point, Washington and Cape Falcon, Oregon must notify ODFW within one hour of delivery or prior to transport away from the port of landing by calling 541-867-0300 Ext. 271. Notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery.

TABLE I-1. Summary of actual ocean non-Indian commercial troll salmon fishing regulations for 2008. (Page 3 of 3)

Area and Season	Salmon Species	Actual Quota (Guideline*) Chinook	Actual Quota (Guideline*) Coho	Special Restrictions[a/]
Cape Falcon to Humbug Mt., OR				
Twin Rocks to Pyramid Rock (off Tillamook Bay)				
Sept. 1-Nov. 15 (76 days)	Chinook only	500	-	Open 0-3 nautical miles; 25 Chinook per calendar week per vessel landing limit.
Cape Blanco to Humbug Mt. (off Elk River)				
Nov. 1-30 (30 days)	Chinook only	250	-	Open 0-3 nautical miles; 10 Chinook per day per vessel landing limit. Landings restricted to Port Orford.
Humbug Mt. to OR/CA border				
Twin Rocks to OR/CA Border (off Chetco River)				
Oct. 5-8, 12 (5 days)	Chinook only	250	-	Open 0-3 nautical miles; 10 Chniook per day per vessel landing limit Oct. 5-8; 5 Chinook Oct. 12. Landings restricted to Brookings.
OR/CA border to Horse Mt.				
Closed	-	-	-	
Horse Mt. to Pt. Arena				
Closed	-	-	-	
Pt. Arena to Pigeon Pt.				
Closed	-	-	-	
Pigeon Pt. to Pt. Sur				
Closed	-	-	-	
Pt. Sur to U.S./Mexico Border				
Closed	-	-	-	

a/ Single-point, single-shank barbless hooks required in all open areas coastwide. Unless otherwise noted, minimum size limits (total length): Chinook 28 inches, coho 16 inches.

b/ 8,300 preseason Chinook guideline plus 500 from an inseason trade between the recreational and commercial fisheries. 500 Chinook from the recreational quota went to the commercial quota. 1,000 coho from the commercial quota plus 200 incidental coho mortalities went to the recreational quota to maintain impacts on lower Columbia River natural coho at or below preseason expectations.

c/ 4,000 preseason coho quota minus 1,000 from an inseason trade between the recreational and commercial fisheries. 500 Chinook from the recreational quota went to the commercial quota. 1,000 coho from the commercial quota plus 200 incidental coho mortalities went to the recreational quota to maintain impacts on lower Columbia River natural coho at or below preseason expectations.

TABLE I-2. Summary of actual treaty Indian commercial ocean and Area 4B troll salmon seasons for 2008.

Tribe and Area	Seasons[a/] Salmon Species	Dates	Days	Minimum Size Limit (Inches) Chinook	Coho
Quinault					
Areas 2-3	Chinook Only	May 1-June 30	61	24	-
	All	July 1- Sept. 15	77	24	16
Hoh					
Areas 2-3	Chinook Only	May 1-June 30	61	24	-
	All	July 1- Sept. 15	77	24	16
Quileute					
Area 3	Chinook Only	May 1-June 30	61	24	-
	All	July 1-Sept. 15; Sept 16-Oct. 15	107	24	16
Makah					
Areas 3N, 4, and 4A	Chinook Only	May 1-June 30	61	24	-
	All	July 1- Sept. 15	77	24	16
Area 4B	Chinook Only	May 1-June 30	61	24	-
	All	Jan. 1-April 15; July 1-Sept. 15; Nov. 1-Dec. 31	244	24[b/]	16
S'Klallam					
Area 4B	Chinook Only	May 1-June 30	61	24	-
	All[c/]	Jan. 1-Apr. 15; July 1-Dec. 31	290	24[b/]	16

a/ The overall quotas for these fisheries during the May 1-Sept. 15 ocean salmon management period were 37,500 Chinook and 20,000 coho. These quotas include troll catches by the S'Klallam and Makah tribes in Washington State Statistical Area 4B from May 1-Sept. 15. The overall Chinook quota was divided preseason to provide 20,000 Chinook for the May 1-June 30 Chinook-directed season and 17,500 Chinook for the July 1-Sept. 15 all-salmon season. Barbless hooks were required in all ocean fisheries.

b/ Minimum length limit 22 inches prior to May 1 and after October 31.

c/ Retention of steelhead prohibited; retention of chum prohibited prior to September 30.

TABLE I-3. Summary of actual ocean recreational salmon fishing regulations for 2008. (Page 1 of 2)

Area and Season	Salmon Species	Actual Quota Chinook	Actual Quota Coho[a/]	Daily Limit and Special Restrictions[b/]
U.S./Canada Border to Leadbetter Point, WA (Neah Bay, La Push and Westport subareas)				
Tues.-Sat. June 1 through June 28 north of Queets River, Sun.-Thurs. south of Queets River (20 days)	Chinook Only	8,200	-	One Chinook daily through June 20, two Chinook daily thereafter.
U.S./Canada Border to Cape Alava, WA (Neah Bay subarea)				
Tues.-Sat. July 1 through August 23 (40 days).	All Salmon except chum in August	The Chinook quota for all subareas between the U.S./ Canada border and Leadbetter Point, WA combined was 12,200[c/].	2,060	Two salmon daily. No Chinook retention east of Bonilla-Tatoosh line in August.
Area 4B East of Bonilla-Tatoosh Line; August 26 through September 13, seven days per week (19 days)	All Salmon except Chinook and chum		4,000	Two salmon daily.
Cape Alava to Queets River, WA (LaPush subarea)				
Tues.-Sat. July 1 through August 25; seven days per week Aug. 26 through September 13 (59 days)	All Salmon		540	Two salmon daily.
North of 47°50'00" N lat. and south of 48°00'00" N lat. seven days per week Sept. 20-Oct.5 (16 days)	All Salmon		134[d/]	Two salmon daily.
Queets River to Leadbetter Pt., WA (Westport subarea)				
Sun.-Thurs. June 29-Aug. 25; seven days per week Aug. 26-Sept. 13 (61 days)	All Salmon		7,520	Two salmon daily.
Leadbetter Point, WA to Cape Falcon, OR (Columbia River subarea)				
seven days per week June 1 through June 28 (28 days)	Chinook Only	4,800 for Chinook only and all salmon fisheries[e/].	-	One Chinook daily through June 20, two Chinook daily thereafter.
Sun.-Thurs. June 29-Aug. 17 (2 p.m.) (36 days)	All salmon		11,380[e/]	Two salmon daily.
Cape Falcon to OR/CA Border June 22-Aug. 14 (54 days)	All Except Chinook	None	9,000	Two salmon daily. Fishing in the Stonewall Bank groundfish conservation area restricted to trolling only on days the all depth recreational halibut fishery is open.[f/]

TABLE I-3. Summary of actual ocean recreational salmon fishing regulations for 2008. (Page 2 of 2)

Area and Season	Salmon Species	Actual Quota Chinook	Actual Quota Coho[a/]	Daily Limit and Special Restrictions[b/]
Tillamook Ocean Terminal Area Twin Rocks to Pyramid Rock inside 3 nm Sept. 1-Nov. 15 (76 days)	Chinook Only	None	-	Barbless hooks required. Two adult Chinook daily, one of which can be non-fin clipped and 20 per year (five of which can be non-fin clipped and apply to the Tillamook, Elk River and Chetco Zones combined).
Elk River Ocean Terminal Area Cape Blanco to Humbug Mt. inside 3 nm Nov. 1-30 (30 days)	Chinook only	None	-	Two adult Chinook daily, one of which can be non-fin clipped and 20 per year (five of which can be non-fin clipped and apply to the Tillamook, Elk River and Chetco Zones combined).
Chetco River Ocean Terminal Area Twin Rocks, Oregon to OR/CA border inside 3 nm Oct. 1-4, 11 (5 days)	Chinook only	None	-	One Chinook daily; no more than four fish per season from within the Chetco River Ocean Terminal Area (which apply to the five non-fin clipped Chinook aggregate Tillamook, Elk River, and Chetco Zones).
OR/CA Border to Horse Mt., CA Closed	-	-		
Horse Mt. to Pt. Arena, California Feb. 16-Mar. 31 (45 days)	All except coho	None	-	Two salmon daily.
Pt. Arena to Pigeon Pt. Closed	-	-		
Pigeon Pt. to U.S./Mexico Border Closed	-	-		

a/ All coho fisheries and quotas are mark selective are for fish with a healed adipose fin clip.

b/ No more than one rod and single-point, single-shank barbless hooks required north of Pt. Conception, CA. No more than two single-point, single-shank barbless hooks when fishing for salmon or fishing from a boat with salmon on board between Pt. Conception and Cape Falcon, OR. If angling by any mean sother than trolling between Pt. Conception and Horse Mt., CA, no more than two single-point, single-shank, barbless circle hooks shall be used. The distance between the two hooks must not exceed 5 inches when measured from the top of the eye of the top hook to the inner base of the curve of the lower hook, and both hooks must be permanently tied in place (hard tied). Unless otherwise noted: minimum size limits are (1) 24 inches for Chinook and 16 inches for coho north of Cape Falcon, and (2) 20 inches for Chinook and 16 inches for coho south of Cape Falcon.

c/ 6,500 preseason plus 5,700 roll-over from the June Chinook only fishery.

d/ 50 preseason plus 84 roll-over from the July-September fishery.

e/ 5,300 Chinook and 10,180 coho preseaon quotas. An inseason trade was made between the recreational and commercial fisheries. 500 Chinook from the recreational quota went to the commercial quota. 1,000 coho from the commercial quota plus 200 incidental coho mortalities went to the recreational quota to maintain impacts on lower Columbia River natural coho at or below preseason expectations.

f/ The all-depth halibut fishery was open on May 8-10, 15-17, 22-24, 29-31, and June 12-14; August 1-3, 8-10, 15-17, 22-24, 29-31, September 5-7, 13-14, 20-21, and 27.

TABLE I-4. Council area commercial and recreational ocean salmon fishing effort and landings by state. Data are provisional, pending further review of data compilation methods. A double dash ("- -") indicates no records are available. Fewer than 50 pounds may be shown as zero. (Page 1 of 4)

Year or Average	COMMERCIAL TROLL							RECREATIONAL					
	Effort (boat days fished)	Catch						Effort (salmon angler trips)	Catch (numbers of fish)				Salmon Per Angler Trip
		Numbers of Fish			Thousands of Pounds (Dressed Weight)								
		Chinook	Coho	Pink	Chinook	Coho	Pink		Chinook	Coho	Pink	Total	
WASHINGTON[a/]													
1966-70	- -	172,500	717,200	96,200	1,810	4,557	432	401,900	152,600	427,700	14,600	594,900	1.5
1971-75	56,200	275,400	870,300	31,600	2,926	4,801	147	482,900	210,400	567,400	6,100	783,900	1.6
1976-80	43,787	188,610	717,302	412,880	2,364	3,675	789	429,809	114,092	511,827	23,544	649,463	1.5
1981-85[b/]	12,782	71,326	217,754	140,486	776	1,059	358	163,344	54,662	172,399	5,915	232,976	1.4
1986-90	6,078	71,534	137,942	20,552	719	610	49	119,412	26,075	165,058	1,919	193,051	1.6
1991-95	5,158	42,477	76,334	27,971	372	390	63	104,949	11,156	131,364	2,484	145,003	1.4
1996	693	12,310	36,066	0	103	160	0	43,250	177	51,433	0	51,610	1.2
1997	751	20,579	15,824	711	185	57	6	29,699	3,969	26,762	1,410	32,141	1.1
1998	278	20,615	8,154	0	240	44	0	19,653	2,187	20,706	0	22,893	1.2
1999	1,011	44,908	37,214	461	420	188	5	50,774	9,887	40,125	2,188	52,200	1.0
2000	565	17,907	27,442	0	202	142	0	48,919	8,478	68,199	0	76,677	1.6
2001	1,280	50,072	66,707	885	515	377	9	126,402	22,974	168,062	3,918	194,954	1.5
2002	1,564	93,665	17,602	0	1,128	102	0	95,167	57,821	74,134	0	131,955	1.4
2003	1,914	91,374	19,899	251	1,261	117	2	124,867	34,183	139,096	13,407	186,686	1.5
2004	1,812	85,107	75,390	0	1,090	476	0	112,704	24,907	112,936	0	137,843	1.2
2005	2,035	77,041	25,439	250	969	160	1	90,595	36,369	51,770	3,260	91,398	1.0
2006	2,243	47,314	33,203	0	534	203	0	65,263	10,667	36,087	8	46,762	0.7
2007[c/]	1,895	37,338	46,952	389	390	257	2	72,683	8,944	83,788	4,670	97,402	1.3
2008[c/]	1,837	29,712	16,125	0	259	138	0	37,610	14,635	18,870	0	33,505	0.9

TABLE I-4. Council area commercial and recreational ocean salmon fishing effort and landings by state. Data are provisional, pending further review of data compilation methods. A double dash ("- -") indicates no records are available. Fewer than 50 pounds may be shown as zero. (Page 2 of 4)

Year or Average	COMMERCIAL TROLL							RECREATIONAL					
	Effort (boat days fished)	Catch						Effort (salmon angler trips)	Catch (numbers of fish)				Salmon Per Angler Trip
		Numbers of Fish			Thousands of Pounds (Dressed Weight)								
		Chinook	Coho	Pink	Chinook	Coho	Pink		Chinook	Coho	Pink	Total	
OREGON[d/]													
1966-70	- -	122,000	804,500	- -	1,159	5,358	- -	- -	- -	- -	- -	- -	- -
1971-75	47,400	208,500	979,000	- -	2,128	6,015	- -	- -	- -	- -	- -	- -	- -
1976-80	55,885	232,632	741,694	- -	2,427	4,252	139	387,743	39,974	289,189	- -	329,163	0.8
1981-85	25,496	145,503	301,499	2,100	1,432	1,537	117	233,544	33,085	165,393	2,700	201,178	0.9
1986-90	38,154	394,927	397,243	4,300	3,731	1,957	21	241,161	35,713	218,637	500	254,849	1.1
1991-95	9,016	100,945	119,367	380	940	325	2	99,547	9,234	103,001	60	112,296	1.1
1996	8,391	175,209	8	0	1,926	-	0	43,962	11,210	7,200	0	18,410	0.4
1997	7,810	149,759	-	0	1,542	-	0	30,148	7,678	5,972	0	13,650	0.5
1998	7,171	124,211	-	0	1,398	-	0	25,954	4,086	2,301	0	6,387	0.2
1999	5,083	62,533	-	0	721	1	0	49,419	7,721	13,636	0	21,357	0.4
2000	7,480	135,903	12,258	0	1,481	71	0	78,563	25,460	33,188	0	58,648	0.7
2001	11,148	274,963	9,333	344	2,897	52	1	120,461	27,200	94,346	0	121,546	1.0
2002	11,701	304,189	1,515	0	3,488	11	0	107,641	47,480	36,537	0	84,017	0.8
2003	12,418	329,678	6,441	25	3,639	43	0	144,423	40,654	113,659	0	154,313	1.1
2004	13,204	252,709	8,839	0	2,850	70	0	145,702	56,433	71,835	0	128,268	0.9
2005	11,623	251,295	2,618	3	2,671	20	0	75,999	27,945	13,706	0	41,651	0.5
2006	4,528	34,965	1,414	0	486	13	0	62,319	11,588	15,577	0	27,165	0.4
2007[c/]	5,233	35,487	17,095	80	464	101	0	88,264	6,941	60,653	0	67,594	0.8
2008[c/]	793	5,908	378	0	65	3	0	30,418	1,578	12,085	2	13,665	0.4

TABLE I-4. Council area commercial and recreational ocean salmon fishing effort and landings by state. Data are provisional, pending further review of data compilation methods. A double dash ("- -") indicates no records are available. Fewer than 50 pounds may be shown as zero. (Page 3 of 4)

Year or Average	COMMERCIAL TROLL							RECREATIONAL					
	Effort (boat days fished)	Catch						Effort (salmon angler trips)	Catch (numbers of fish)				Salmon Per Angler Trip
		Numbers of Fish			Thousands of Pounds (Dressed Weight)								
		Chinook	Coho	Pink	Chinook	Coho	Pink		Chinook	Coho	Pink	Total	
CALIFORNIA[e/]													
1966-70	- -	486,300	319,700	7,400	4,925	2,352	37	189,800	120,800	33,200	0	154,000	0.8
1971-75	45,200	562,700	361,800	4,700	5,743	2,211	22	247,400	169,600	48,300	0	217,900	0.9
1976-80	81,300	618,637	210,303	500	5,867	1,184	3	163,469	228,968	486	0	229,454	1.4
1981-85	58,950	462,652	58,726	2,400	4,454	345	14	146,950	122,013	103	0	122,116	0.8
1986-90	58,549	794,703	46,780	300	8,097	262	2	240,667	87,845	608	0	88,453	0.4
1991-95	25,780	341,928	42,475	0	3,429	94	0	215,996	185,851	419	0	186,270	0.9
1996	21,161	380,851	-	0	4,113	-	0	225,305	164,032	644	0	164,676	0.7
1997	18,956	487,415	-	0	5,248	-	0	234,369	228,968	486	0	229,454	1.0
1998	14,564	226,936	-	0	1,847	-	0	151,824	122,013	103	0	122,116	0.8
1999	16,361	264,452	-	0	3,846	-	0	147,055	87,845	608	0	88,453	0.6
2000	20,453	480,352	-	0	5,131	-	0	214,375	185,851	419	0	186,270	0.9
2001	13,841	193,086	-	0	2,409	-	0	165,135	98,783	1,329	0	100,112	0.6
2002	17,403	391,655	-	0	5,008	-	0	210,052	182,044	828	0	182,872	0.9
2003	15,941	491,894	-	0	6,392	-	0	134,627	94,674	613	0	95,287	0.7
2004	21,733	502,110	-	0	6,230	-	0	218,743	221,114	1,424	0	222,538	1.0
2005	17,018	340,862	-	0	4,347	-	0	172,080	143,257	699	0	143,956	0.8
2006	8,259	69,728	-	0	1,043	-	0	126,506	96,292	1,626	0	97,918	0.8
2007	10,671	114,141	-	0	1,525	-	0	105,889	47,704	746	0	48,450	0.5
2008[c/]	-	-	-	-	0	-	-	391	6	-	0	6	0.0

TABLE I-4. Council area commercial and recreational ocean salmon fishing effort and landings by state. Data are provisional, pending further review of data compilation methods. A double dash ("- -") indicates no records are available. Fewer than 50 pounds may be shown as zero. (Page 4 of 4)

Year or Average	COMMERCIAL TROLL							RECREATIONAL					
	Effort (boat days fished)	Catch						Effort (salmon angler trips)	Catch (numbers of fish)				Salmon Per Angler Trip
		Numbers of Fish			Thousands of Pounds (Dressed Weight)								
		Chinook	Coho	Pink	Chinook	Coho	Pink		Chinook	Coho	Pink	Total	
COUNCIL AREA[a/d/]													
1966-70	--	780,800	1,841,400	103,600	7,893	12,267	468	591,700	273,400	460,900	14,600	748,900	1.3
1971-75	148,800	1,046,600	2,211,100	36,300	10,796	13,028	170	730,300	380,000	615,700	6,100	1,001,800	1.4
1976-80	180,972	1,039,879	1,669,299	413,380	10,658	9,111	930	981,020	383,034	801,501	23,544	1,208,079	1.2
1981-85[b/]	97,228	679,481	577,980	144,986	6,662	2,941	489	543,838	209,761	337,894	8,615	556,270	1.0
1986-90	40,874	514,406	299,783	20,932	5,087	1,029	50	434,955	221,160	268,478	1,979	491,617	1.1
1996	30,245	568,370	36,074	0	6,142	160	0	312,517	175,419	59,277	0	234,696	0.8
1997	27,517	657,753	15,824	711	6,975	57	6	294,216	240,615	33,220	1,410	275,245	0.9
1998	22,013	371,762	8,154	0	3,485	44	0	197,431	128,286	23,110	0	151,396	0.8
1999	22,455	371,893	37,214	461	4,987	189	6	247,248	105,453	54,369	2,188	162,010	0.7
2000	28,498	634,162	39,700	0	6,814	213	0	341,857	219,789	101,806	0	321,595	0.9
2001	26,269	518,121	76,040	1,229	5,821	429	10	411,998	148,957	263,737	3,918	416,612	1.0
2002	30,668	789,509	19,117	0	9,624	113	0	412,860	287,345	111,499	0	398,844	1.0
2003	30,273	912,946	26,340	276	11,291	159	2	403,917	169,511	253,368	13,407	436,286	1.1
2004	36,749	839,926	84,229	0	10,170	546	0	477,149	302,454	186,195	0	488,649	1.0
2005	30,676	669,198	28,057	253	7,987	180	1	338,674	207,571	66,175	3,260	277,005	0.8
2006	15,030	152,007	34,617	0	2,064	216	0	254,088	118,547	53,290	8	171,845	0.7
2007[c/]	17,799	186,966	64,047	469	2,380	358	2	266,836	63,589	145,187	4,670	213,446	0.8
2008[c/]	2,630	35,620	16,503	0	324	141	0	68,419	16,219	30,955	2	47,176	0.7

a/ For Washington, commercial effort and landings include: (1) treaty Indian fisheries (ocean and Area 4B only from May 1-Sept. 30) beginning in 1972; (2) prior to 1978, catch off British Columbia landed in Washington; (3) catch off Alaska landed in Washington; and (4) catch off Oregon and California beginning in 1976. Treaty Indian effort is in deliveries. Beginning in 1989, recreational angler trips and catch include state-managed, late-season Area 4B fishery when open(see Table IV-15).

b/ Recreational effort and catch includes Washington-based effort and catch from Oregon state waters (July 26-Aug. 1) and Strait of Juan de Fuca after WDFW and NMFS ocean closures in 1982.

c/ Preliminary.

d/ Oregon commercial troll landings include small numbers of salmon caught in Alaska (prior to 1990), Washington, and California. Oregon recreational effort data are total angler trips prior to 1979 and salmon trips beginning in 1979. Significantly reduced salmon per angler trip in 1994-1998 reflects regulations requiring nonretention of coho in the recreational fishery south of Cape Falcon.

e/ California commercial effort and landings include salmon caught off Oregon and landed in California, which were minor and infrequent until 2004, when 200 days fished and 25,300 Chinook were included.

TABLE I-5. Council area commercial and recreational ocean salmon fishing effort and landings by management area.

	COMMERCIAL TROLL				RECREATIONAL					
	Effort[a/]	Catch (numbers of fish)			Effort	Catch (numbers of fish)				Salmon Per
Year	(boat days fished)	Chinook	Coho	Pink	(salmon angler trips)	Chinook	Coho	Pink	Total	Angler Trip
- - - - - U.S./CANADA BORDER TO CAPE FALCON - - - - -										
Treaty Indian (U.S./Canada Border to Leadbetter Point)[b/]:										
2001	516	28,843	58,595	2,451	-	-	-	-	-	-
2002	226	39,846	17,422	0	-	-	-	-	-	-
2003	216	35,172	10,942	236	-	-	-	-	-	-
2004	431	49,735	62,097	0	-	-	-	-	-	-
2005	597	41,975	23,997	387	-	-	-	-	-	-
2006	805	30,545	31,938	0	-	-	-	-	-	-
2007[c/]	621	23,070	41,066	584	-	-	-	-	-	-
2008[c/]	614	21,076	14,419	0	-	-	-	-	-	-
Non-Indian:										
2001	1,006	25,320	17,445	376	149,643	25,592	207,251	3,921	236,764	1.6
2002	1,768	66,616	1,695	0	107,218	60,575	88,537	0	149,112	1.4
2003	2,111	66,586	15,398	276	144,093	36,513	168,867	13,407	218,787	1.5
2004	1,728	38,490	22,132	24	131,297	27,090	135,434	32	162,556	1.2
2005	1,954	45,151	4,060	11	103,857	40,004	61,736	3,260	104,999	1.0
2006	2,419	27,258	2,679	0	73,505	11,176	41,498	8	52,682	0.7
2007	1,599	15,711	17,439	80	85,069	9,538	102,185	4,670	116,393	1.4
2008[c/]	1,868	14,024	2,084	0	41,264	15,452	21,061	0	36,513	0.9
- - - - - CAPE FALCON TO HUMBUG MOUNTAIN - - - - -										
2001	10,435	267,273	-	344	71,119	17,374	55,088	0	72,462	1.0
2002	10,843	284,589	-	0	75,868	34,792	22,026	0	56,818	0.7
2003	11,477	314,222	-	23	110,450	32,876	83,837	0	116,713	1.1
2004	12,339	241,107	-	0	108,800	47,413	48,062	0	95,475	0.9
2005	10,858	238,944	-	1	50,159	18,603	3,630	0	22,233	0.4
2006	3,364	23,738	-	0	43,447	9,287	9,485	0	18,772	0.4
2007	4,444	29,947	5,542	73	64,766	3,297	40,687	0	43,984	0.7
2008[c/]	97	284	-	-	21,969	481	7,760	2	8,243	0.4
- - - - - HUMBUG MOUNTAIN TO HORSE MOUNTAIN TO (KMZ) - - - - -										
2001	786	9,122	-	0	50,794	20,032	255	0	20,287	0.4
2002	1,033	20,270	-	0	41,265	26,065	403	0	26,468	0.6
2003	659	9,116	-	0	30,524	14,200	188	0	14,388	0.5
2004	1,042	40,399	-	0	43,906	29,681	1,835	0	31,516	0.7
2005	573	9,320	-	0	29,907	23,251	261	0	23,512	0.8
2006	183	738	-	0	27,081	18,195	922	0	19,117	0.7
2007	821	12,859	-	0	31,555	21,946	1,970	0	23,916	0.8
2008[c/]	51	236	-	-	4,795	280	2,134	0	2,414	0.5
- - - - - HORSE MOUNTAIN TO U.S./MEXICO BORDER - - - - -										
2001	13,526	187,563	-	7	140,442	85,959	1,143	0	87,102	0.6
2002	16,798	378,188	-	0	188,509	165,913	533	0	166,446	0.9
2003	15,810	487,850	-	0	118,850	85,922	476	0	86,398	0.7
2004	21,209	470,195	-	0	193,146	198,270	864	0	199,134	1.0
2005	16,694	333,808	-	0	154,751	125,713	548	0	126,261	0.8
2006	8,259	69,728	-	0	110,055	79,889	1,385	0	81,274	0.7
2007	10,314	105,379	-	0	85,446	28,808	345	0	29,153	0.3
2008[c/]	-	-	-	-	391	6	-	0	6	0.0

a/ Treaty Indian troll effort in number of deliveries.

b/ May through September only.

c/ Preliminary.

TABLE I-6. Coho and Chinook harvest quotas and guidelines (*) for 2008 Council managed fisheries compared with actual harvest by management area and fishery.

	Chinook			Coho		
Fishery Governed by Quota or Guideline	Quota or Guideline[a/]	Catch	Catch/ Quota	Quota	Catch	Catch/ Quota
NORTH OF CAPE FALCON						
TREATY INDIAN COMMERCIAL TROLL						
U.S./Canada Border to Cape Falcon (May-June)	20,000	9,206	0.46	-	-	-
U.S./Canada Border to Cape Falcon (July-Sept.)	17,500	11,870	0.68	20,000	14,419	0.72
Subtotal Treaty Indian Commercial Troll	37,500	21,076	0.56	20,000	14,419	0.72
NON-INDIAN COMMERCIAL TROLL						
U.S./Canada Border to Cape Falcon (May-June)	11,700 *	11,114	0.95	-	-	-
U.S./Canada Border to Cape Falcon (July-Sept.)	8,800 *	2,910	0.33	3,000	2,084	0.69
Subtotal Non-Indian Commercial Troll	20,500	14,024	0.68	3,000	2,084	0.69
RECREATIONAL (selective coho fisheries)						
U.S./Canada Border to Leadbetter Point (June)	8,200	1,364	0.17	-	-	-
U.S./Canada Border to Cape Alava (July-Sept.)	1,435 *	1,034	0.72	2,060	2,024	0.98
4B East of Bonilla-Tattoosh (Aug.-Sept.)	- *	11	0.73	4,000	137	0.03
Cape Alava to Queets River (July-Oct.)	495 *	656	1.33	590	541	0.92
Queets River to Leadbetter Pt. (July-Sept.)	10,270 *	8,672	0.84	7,520	7,528	1.00
Leadbetter Pt. to Cape Falcon (June)	4,800	343	0.07	-	-	-
Leadbetter Pt. to Cape Falcon (July-Sept.)	remainder	3,370	0.77	11,380	10,832	0.95
Subtotal Recreational	19,500 [b/]	15,450	0.79	25,550	21,062	0.82
TOTAL NORTH OF CAPE FALCON	77,500	50,550	0.65	48,550	37,565	0.77
SOUTH OF CAPE FALCON						
COMMERCIAL TROLL (all except coho)						
Cape Falcon to U.S./Mexico Border	-	-	-	-	-	-
Subtotal Troll	-	-	-	-	-	-
RECREATIONAL						
Cape Falcon to OR/CA Border (June-Aug.)	-	-	-	9,000	9,843	1.09
TOTAL SOUTH OF CAPE FALCON	-	-	-	9,000	9,843	1.09
GRAND TOTAL COUNCIL AREA	77,500	50,550	0.65	57,550	47,408	0.82

a/ Guidelines for Chinook fisheries are marked with an asterisk (*).

b/ Total quota does not match sum of the subarea quota/guidelines because inseason action transferred 5,700 Chinook remaining from the June U.S./Canada Border to Leadbetter Point fishery to into the July to September fishery, which was distributed into the three subarea guidelines. However, an additional 1,136 Chinook remained unallocated from the June fishery, which would have been available if necessary to extend fisheries.

TABLE I-7. Estimated incidental mortality of Chinook and coho in 2008 ocean salmon fisheries. Observed incidental mortality was calculated by scaling preseason projections of incidental mortality by the ratio of observed to projected catch.

Area and Fishery	2008 Catch Projection	2008 Bycatch Mortality[a/] Projection	2008 Bycatch Projection[b/]	Observed in 2008	
				Catch	Bycatch Mortality
			CHINOOK (thousands of fish)		
OCEAN FISHERIES[c/]:					
NORTH OF CAPE FALCON					
Treaty Indian Ocean Troll	37.5	6.2	18.3	21.1	3.5
Non-Indian Commercial Troll	20.0	5.5	18.2	14.0	3.8
Recreational	20.0	2.3	10.5	15.4	1.8
CAPE FALCON TO HUMBUG MT.					
Commercial Troll	0.8	0.0	0.0	0.3	0.1
Recreational	0.6	0.5	2.6	0.5	0.5
HUMBUG MT. TO HORSE MT.					
Commercial Troll	0.3	0.0	0.0	0.2	0.0 [d/]
Recreational	0.3	0.4	2.3	0.3	0.1 [d/]
SOUTH OF HORSE MT.					
Commercial	-	-	-	-	-
Recreational	0.0	0.0	0.0	0.0	0.0 [d/]
TOTAL OCEAN FISHERIES					
Commercial Troll	58.5	11.7	36.5	35.6	7.4
Recreational	20.8	3.2	15.4	16.2	2.4
INSIDE FISHERIES:					
Area 4B	-	NA	NA	0.0	NA
Buoy 10	NA	NA	NA	8.3	NA
			COHO (thousands of fish)		
OCEAN FISHERIES[c/]:					
NORTH OF CAPE FALCON					
Treaty Indian Ocean Troll[e/]	20.0	1.7	3.6	14.4	1.2
Non-Indian Commercial Troll	4.0	3.3	11.4	2.1	1.7
Recreational	20.4	4.9	23.5	20.9	4.2 [f/]
SOUTH OF CAPE FALCON					
Commercial Troll	0.0	0.0	0.0	0.0	0.0
Recreational	9.0	3.0	14.8	9.9	3.3
TOTAL OCEAN FISHERIES					
Commercial Troll	24.0	5.0	15.0	16.5	2.9
Recreational	29.4	7.9	38.3	30.8	7.5
INSIDE FISHERIES:					
Area 4B	4.0	1.0	4.6	0.1	0.0
Buoy 10	4.0	0.7	2.9	8.6	1.6

a/ The bycatch mortality reported in this table consists of drop-off mortality (includes predation on hooked fish) plus hook-and-release mortality of Chinook and coho salmon in Council-area fisheries. Drop-off mortality for both chinook and coho is assumed to be equal to 5% of total encounters. The hook-and-release mortality (HRM) rates used for both chinook and coho are:

Commercial: 26%.

Recreational, north of Pt. Arena: 14%.

Recreational, south of Pt. Arena: 16% (based on the expected proportion of fish that will be caught using mooching versus trolling gear, and the HRMs of 42.2% and 14% for these two respective gear types).

b/ Bycatch calculated as dropoff mortality plus fish released.

c/ Includes Oregon territorial water, late season Chinook fisheries.

d/ Based on reported sublegal encounter rates.

e/ Includes fisheries that allow retention of all legal sized coho.

f/ Based on observed unmarked encounter rates.

TABLE I-8. Summary of 2008 recreational and commercial fisheries selective for marked hatchery coho (preliminary data).

Area	Anticipated Mark Rate	Observed Mark Rate	Preseason Quota	Anticipated Nonretention Mortality[a/]	Landed Coho Catch			Unmarked Coho Released[b/]	Estimated Nonretention Mortality[a/]	Effort[c/]
					Total	Marked	Unmarked			
Recreational										
Ocean Fisheries										
Neah Bay	48%	41%	2,060	572	2,024	1,987	37	2,797	643	4,522
La Push	53%	35%	590	162	541	533	8	986	215	1,789
Westport	56%	58%	7,520	2,060	7,528	7,496	32	5,451	1,406	16,809
Columbia River	64%	60%	10,180	2,055	10,832	10,770	62	7,221	1,903	13,246
North of Cape Falcon Total	-	-	20,350	4,849	20,925	20,786	139	16,456	4,166	36,366
Cape Falcon to OR/CA Border	50%	53%	9,000	3,045	9,846	9,840	6	8,867	2,150	19,682
Ocean Fisheries Total	-	-	29,350	7,894	30,771	30,626	145	25,323	6,316	56,048
Inside Fisheries										
4B Add-on	49%	14%	4,000	1,023	137	110	27	635	134	782
Strait of Juan de Fuca[d/]	48%	43%	12,238 [e/]	3,918	6,328	6,300	28	8,388	1,902	27,562
Buoy 10	68%	64%	4,000 [e/]	735	8,573	8,508	65	4,813	1,335	32,467
Inside Fisheries Total	-	-	20,238	5,676	15,038	14,918	120	13,836	3,370	60,811
Commercial										
Neah Bay	49%	-	-	161	7	7	0	7	3	109
La Push	53%	-	-	707	490	487	3	435	158	331
Westport	55%	-	-	778	1,132	1,126	6	926	342	655
Columbia River	57%	-	-	1,610	455	455	0	343	129	773
Commercial Total	-	-	22,400	3,256	2,084	2,075	9	1,711	632	1,868
Grand Total	-	-	71,988	16,826	47,893	47,619	274	40,870	10,318	-

a/ Hook-and-release plus drop-off mortality of unmarked fish.

b/ Calculated from observed mark rates where available; where unavailable, anticipated mark rates are used. La Push, Neah Bay, 4B, Cape Falcon-OR/CA border, and Buoy 10 recreational fishery observed mark rates based on dockside sampling.

c/ Recreational effort measured in angler trips, commercial effort measured in days fished.

d/ Includes Area 5 (July 1 - September 15, 2008) selective fishery only. Data are preliminary.

e/ Expected catch, not a quota.

TABLE I-9. Washington Area 5 and 6 preliminary recreational salmon catch estimates during the Chinook mark selective fishery July 1 through August 9, 2008.

			Catch				Release		
Fishery	Boats	Anglers	Chinook	Coho	Pink	Total	Chinook	Coho	Pink
Area 5: 7/1 - 8/9	5,710	13,004	2,819	3	0	2,822	1,387	12	0
Area 6: 7/1 - 8/9	a/								
Total	5,710	13,004	2,819	3	0	2,822	1,387	12	0
Area 5 Preliminary Recreational Salmon Catch Estimate, 2008									
Area 5: 7/1 - 9/15	11,356	27,562	2,647	6,328	0	8,975	7,484	12,191	0

a/ There was no catch estimate produced for Marine Area 6 during the 2008 selective season.

TABLE I-10. Chinook catch by Southeast Alaska marine fisheries in thousands of fish.

	Total Catches			Treaty Chinook			Additional Catch	
Year	Troll	Net	Sport	Troll	Net	Sport	Terminal Exclusion[a/]	Hatchery Add-On[b/]
1985	215.8	33.9	24.9	211.9	33.3	23.0	0.0	6.2
1986	237.7	22.1	22.6	231.6	20.6	19.0	0.0	11.1
1987	242.6	15.5	24.3	231.1	14.0	20.3	0.0	17.1
1988	231.4	21.8	26.2	217.1	17.4	22.3	0.0	22.5
1989	235.7	24.2	31.1	224.2	18.5	26.8	0.0	21.5
1990	287.9	27.7	51.2	263.5	16.1	41.4	0.0	45.9
1991	264.1	34.9	60.5	231.8	21.0	45.1	0.0	61.5
1992	183.8	32.1	42.9	162.6	24.0	35.3	0.0	36.8
1993	226.9	28.0	49.2	212.3	16.2	42.7	0.0	32.9
1994	186.3	35.7	42.4	177.1	22.6	35.5	0.0	29.2
1995	138.1	48.0	49.7	115.1	26.4	35.5	0.0	58.8
1996	141.5	37.3	57.5	107.6	8.4	39.0	8.7	72.6
1997	246.4	25.1	71.5	221.9	11.4	53.3	9.8	46.5
1998	192.1	23.5	55.0	183.5	13.4	46.3	2.4	25.0
1999	146.2	32.7	72.1	132.7	12.9	53.2	4.5	47.7
2000	158.7	41.4	63.2	134.0	11.1	41.4	2.5	74.3
2001	153.3	40.2	72.3	128.7	13.5	44.7	1.5	77.3
2002	325.3	31.7	69.5	298.1	13.5	45.5	1.2	68.2
2003	330.7	39.4	69.4	307.4	23.4	48.8	2.4	57.5
2004	354.7	64.0	80.6	321.9	39.7	55.4	6.3	76.0
2005	338.4	71.6	86.6	305.2	22.0	63.3	40.3	65.8
2006	282.3	70.4	85.8	264.1	23.8	69.8	31.5	49.4
2007	268.1	55.9	82.8	240.4	24.9	61.9	9.6	70.2
2008[c/]	151.9	46.2	38.4	125.8	12.7	25.7	6.8	65.5

a/ Catch in terminal net fisheries. These catches are not subject to PST limitations.

b/ Catch of increased production of Alaska hatchery fish. These catches are not subject to PST limitations.

c/ Preliminary.

TABLE I-11. Chinook and coho catches by Canadian marine fisheries in thousands of fish. (Page 1 of 1)

	Northern B.C.		Central B.C.		North-Central B.C.	WCVI				Strait of Georgia				Juan de Fuca		
									Outside			Sport				
Year or Avg.	Troll	Net	Troll	Net	Sport	NW Troll	SW Troll	Net	Sport	Troll	Net[a/]	North	South	Troll	Net	Sport
CHINOOK																
1986-1990	168.9	28.1	41.6	14.1	17.8	110.3	215.9	17.8	28.6	39.1	35.8	68.1	34.7	0.1	11.5	30.6
1991-1995	143.9	30.1	25.2	14.0	30.9	111.8	98.5	20.4	45.7	25.3	22.2	62.5	17.7	0.0	6.2	16.6
1996	0.0	28.9	0.0	6.8	7.0	0.0	0.0	0.0	10.0	0.0	10.0	55.2	15.3	0.0	0.4	19.0
1997	83.5	20.4	12.4	3.6	36.3	25.9	26.6	0.5	11.0	2.3	29.2	35.3	7.5	0.0	0.3	17.1
1998	107.8	7.1	2.2	5.4	44.4	7.2	3.1	1.6	4.2	1.1	6.8	10.1	4.3	0.0	0.1	9.7
1999	56.5	10.1	2.1	4.3	52.2	21.3	34.7	1.0	31.1	0.2	4.1	26.4	12.1	0.0	0.1	14.8
2000	9.8	22.3	0.0	3.2	38.1	28.7	34.7	0.1	38.0	0.5	5.8	17.3	4.6	1.0	0.1	11.0
2001	13.1	25.4	0.0	6.5	49.1	23.9	53.6	0.0	40.2	0.5	4.5	21.5	9.6	0.0	0.0	23.5
2002	103.0	14.9	0.5	4.7	62.4	43.0	90.8	0.5	32.1	0.6	9.6	43.7	9.1	0.0	0.0	24.1
2003	137.4	14.7	0.0	2.8	70.6	58.0	93.8	9.1	24.0	0.7	12.6	14.0	6.4	0.0	0.3	26.6
2004	167.5	16.2	0.0	6.3	92.7	85.4	88.7	12.5	42.5	0.6	12.5	10.2	3.8	0.0	0.0	40.9
2005	174.8	8.2	0.0	6.3	85.8	110.0	38.8	23.6	53.9	0.0	5.6	10.4	1.9	0.0	0.2	30.5
2006	151.5	13.7	0.0	5.2	81.9	53.9	55.3	20.3	37.9	0.0	3.6	9.8	2.4	0.0	0.0	26.4
2007	83.2	11.4	0.0	5.6	75.1	28.4	58.8	26.9	46.2	0.0	2.7	12.4	2.1	0.0	0.0	26.5
2008[b/]	52.1	7.3	0.0	1.3	58.4	15.3	74.4	8.2	50.3	0.0	1.5	6.5	2.5	0.0	0.0	20.5
COHO																
1986-1990	716.3	139.9	275.2	132.2	28.0	600.0	1,277.9	14.2	19.1	178.4	109.2	512.9	106.0	0.7	194.4	66.2
1991-1995	574.2	147.7	98.5	55.0	42.2	501.3	921.2	4.9	31.7	95.1	56.2	221.0	67.6	0.0	92.1	105.9
1996	424.9	122.2	12.2	29.5	59.1	235.9	552.7	1.0	25.1	0.0	5.5	26.7	7.1	0.7	4.2	94.0
1997	158.6	28.6	8.2	12.0	37.1	0.0	0.0	0.0	29.1	0.0	5.9	2.6	2.8	0.0	0.4	99.5
1998	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.5	0.0	0.0	0.1
1999	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.1
2000	0.0	1.7	0.0	0.1	NA	0.0	0.0	0.0	1.3	0.0	0.0	1.1	3.0	0.0	0.0	0.6
2001	1.1	9.9	0.0	2.7	NA	0.0	0.0	0.0	6.1	0.0	0.0	9.3	1.7	0.0	0.0	0.2
2002	118.9	1.2	8.5	0.0	49.3	0.0	0.0	1.0	4.9	0.0	0.0	3.1	1.5	0.0	0.0	3.8
2003	195.0	6.9	18.9	3.5	NA	0.0	0.1	5.4	13.4	0.0	0.0	1.1	7.5	0.0	0.0	11.8
2004	225.5	24.2	31.7	47.3	27.0	0.1	0.0	2.9	20.3	0.0	0.2	1.4	1.6	0.0	0.0	11.1
2005[b/]	260.3	48.5	49.5	52.5	NA	0.6	1.4	4.0	12.4	0.0	0.0	0.7	0.7	0.0	0.0	8.8
2006[b/]	125.7	1.1	12.7	5.0	62.0	1.2	1.2	2.2	33.7	0.0	0.0	2.7	0.9	0.0	0.0	2.9
2007[b/]	153.1	61.7	28.9	18.9	53.2	1.4	0.0	4.8	25.3	0.0	0.0	6.5	2.0	0.0	0.0	6.7
2008[b/]	62.8	0.0	13.9	0.0	NA	0.0	0.3	5.0	27.7	0.0	0.0	1.2	0.3	0.0	0.0	1.2

a/ Includes Johnstone strait nets, net fisheries in Strait of Georgia, and Fraser seine.

b/ Preliminary.

TABLE I-12. Summary of 2008 West Coast Vancouver Island salmon fisheries.

Areas Open	Majority of Catch	Fishing Period	Chinook Catch
NWVI-SWVI	SWVI	10/17-27/07	3,137
NWVI-SWVI	NWVI	1/15-31/08	1,634
NWVI-SWVI	NWVI	2/1-29/08	1,911
NWVI-SWVI	NWVI	4/20-5/1/08	1,723
NWVI-SWVI	NWVI	5/2-6/08	499
NWVI-SWVI	SWVI	5/7-30/08	9,527
NWVI-SWVI	SWVI	5/31-6/15/08	17,017
NWVI-SWVI	SWVI	8/2-4/08	9,099
NWVI-SWVI	SWVI	9/2-9/08	35,230
NWVI	NWVI	9/10-14/08	1,076
NWVI-SWVI	SWVI	9/22-27/08	8,765
NWVI	NWVI	9/28/08	56
Total			89,674

TABLE I-13. Summary of 2008 coho catch and release in British Columbia commercial fisheries.

Gear/Area	Coho Kept	Coho Released
Northern Troll	62,809	11,549
Northern Net	18	17,018
North Central Troll	13,917	17
South Central Troll	0	0
Central Net	0	252
Johnstone Strait Net	6	1,485
Strait of Georgia Net	0	45
Strait of Georgia Troll	5	121
Fraser Gill Net	0	0
Northwest Vancouver Island Troll	32	1,757
Southwest Vancouver Island Troll	277	7,039
Northwest Vancouver Island Net	633	2
Southwest Vancouver Island Net	4,341	309

TABLE I-14. Summary of 2008 coho catch and release in British Columbia recreational fisheries.

Area	Kept	Released
Juan de Fuca Strait	1,235	2,741
Strait of Georgia	233	637
Johnstone Strait	1,245	3,640
WCVI[a/]	27,749	27,309
Total	30,462	34,327

a/ Includes impacts of mark-selective fisheries and inside fisheries.

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CHAPTER II

CHINOOK SALMON MANAGEMENT

CENTRAL VALLEY CHINOOK STOCKS

Central Valley Chinook stocks include fall, late-fall, winter, and spring stocks of the Sacramento and San Joaquin rivers and their tributaries. Two of these stocks were listed under the ESA: (1) Sacramento River winter Chinook, listed as endangered in January 1994; and (2) Central Valley spring Chinook, listed as threatened in September 1999.

Management Objectives

The following conservation objectives guided Council management of Central Valley Chinook salmon stocks in the 2008 fisheries: (1) for fall Chinook in the Sacramento River system, an escapement goal of 122,000 to 180,000 hatchery and natural adults; and (2) for Sacramento River winter and Central Valley spring Chinook, the ESA consultation standard concerning the duration and timing of the commercial and recreational ocean salmon fisheries south of Point Arena.

Regulations to Achieve Objectives

Harvest impacts on SRFC were the primary management concern in fisheries south of Cape Falcon, Oregon. In 2008, nearly all Chinook-directed fisheries occurring south of Cape Falcon were closed. Under these 2008 regulations, the projected escapement to the Sacramento River was 59,000 fall Chinook adults, which is less than half of the lower end of the conservation objective range.

Season and size limit details are presented in Tables I-1 and I-3.

Inside Harvest

Recreational angling for salmon in Central Valley rivers was highly restricted in 2008 relative to recent years. In 2008, an estimated 650 SRFC were harvested, resulting in a harvest rate of one percent of the river run. Angler surveys conducted in the Sacramento River Basin for nine years between 1991 and 2007, during which time harvest regulations were much more liberal than 2008, produced an estimated mean harvest rate of 14 percent of the river run. Since 1990, regulations have closed the mainstem Sacramento River to retention of salmon from January 15 to July 15, a period when winter Chinook adults are thought to be most abundant. Beginning in 2004, the retention closure was enacted earlier, on January 1 from the Carquinez Bridge to Red Bluff, in response to recovery of winter Chinook CWT's in the sport fishery. In response to the low escapements in the Stanislaus, Toulumne, and Merced rivers during the last decade, the majority of the San Joaquin River has been closed to recreational salmon fishing.

Escapement and Management Performance

Sacramento River Fall Chinook

In 2008, a total of 66,264 natural and hatchery fall Chinook adults were estimated to have returned to the Sacramento River basin for spawning. This represents the lowest escapement estimate on record and is approximately 12 percent higher than the preseason forecast of 59,000. The 2008 escapement estimate did not meet the lower boundary of the FMP conservation objective of 122,000 to 180,000 hatchery and natural adults. Fall Chinook returns to Sacramento River hatcheries totaled 17,724 adults. Adult hatchery return goals at Coleman, Feather River, and Nimbus hatcheries were not met; however, egg take goals were met at each of these hatcheries. Available data indicate hatchery-produced fish constitute a majority

of the Sacramento River naturally spawning fall Chinook population. Table II-1 and Figure II-1 display historical natural and hatchery fall spawner escapements. For a more detailed breakdown of the historical escapements, see Appendix B, Tables B-1 and B-2.

Sacramento River Winter and Spring Chinook

Spawner escapement of endangered winter Chinook salmon in 2008 was estimated to be 2,850 jacks and adults. This estimate is derived from a carcass survey conducted on the upper Sacramento River. It should be noted that in past years the reported spawner escapement of Sacramento River winter Chinook was derived from expanded counts at Red Bluff Diversion Dam. Spawner escapement estimates from Red Bluff Diversion Dam counts have been made since 1967, yet from 1987 to present the estimates were derived by expanding counts made during the period of dam operation (which overlap with approximately 15 percent of the winter run migration period). Estimates from the carcass survey have been regarded by the California Department of Fish and Game as the official winter run spawner escapement estimate since 2001. Due to the small proportion of the winter run migration sampled during the operation of Red Bluff Diversion Dam, the estimates from the carcass survey are considered to better represent winter run spawner escapement. For a more detailed description of the carcass survey and Red Bluff Diversion Dam estimates of winter run spawner escapement, see: Killam, D. and Kreb, B., Chinook Salmon Populations for the Upper Sacramento River Basin in 2007, State of California, Department of Fish and Game, SRSSAP Technical Report No. 08-4, 2008. Estimates derived from both the carcass survey and the expanded Red Bluff Diversion Dam counts are presented in Table B-3. Ocean fishery impacts on the returning cohort of winter Chinook spawners in 2008 were incurred primarily during the 2007 season south of Point Arena, California.

Returns of spring Chinook to the Sacramento River system totaled approximately 13,361 fish (jacks and adults), most of which (an estimated 11,943 fish) returned to the upper Sacramento River tributaries; the remaining 1,418 fish returned to the Feather River Hatchery. The method used to estimate the spring Chinook return to the Feather River Hatchery was modified in 2005. In previous years, the estimate was equal to the number of Chinook that entered the hatchery during the early period of Chinook spawning. In 2005 through 2008, prior to the spring run spawning period, fish that entered the hatchery were tagged and returned to the river; the number of tagged fish that re-entered the hatchery during the spring run spawning period was used as the estimate of spring Chinook escapement in the Feather River. The fish that were tagged at the hatchery and returned to the river but did not re-enter the hatchery during the spawning period were counted in the natural fall run survey and reported as Feather River fall Chinook. The natural area surveys in the Feather River are not currently capable of separating the spring and fall runs.

Historical spawner escapements for Sacramento River winter and spring Chinook salmon are presented in Appendix B, Table B-3.

San Joaquin River Fall Chinook

San Joaquin River spawning areas are used primarily by fall Chinook. The estimated San Joaquin River fall Chinook spawning escapement in 2008 totaled 2,466 jacks and adults in natural areas and 301 jacks and adults to hatcheries (Appendix B, Tables B-1 and B-2 provide historical spawner escapements). Salmon production in the San Joaquin River is determined largely by spring outflows three years earlier. Since 1986, spawner returns to the San Joaquin River have constituted less than 10 percent of the total Central Valley escapement for fall run Chinook.

NORTHERN CALIFORNIA COAST CHINOOK STOCKS

Northern California stocks include fall and spring stocks north of the entrance to San Francisco Bay. Primary river systems in this area are (from north to south) the Smith, Klamath, Mad, Eel, Mattole, and

Russian rivers. Coastal Chinook stocks south of the Klamath River were listed as threatened under the ESA in September 1999.

Management Objectives

In 2008, the projected failure to meet the lower end of the SRFC conservation goal range of 122,000 to 180,000 hatchery and natural adults in the absence of fishing resulted in a nearly complete closure of ocean fisheries affecting northern California Chinook salmon stocks. KRFC were managed in accordance with 2008 Council guidance calling for a maximum adult natural spawner reduction rate of 67 percent, with a minimum spawner escapement (floor) of 40,700 adults in natural areas. The 2008 minimum spawner escapement floor was raised from 35,000 (Amendment 9) to 40,700 in response to the triggering of an overfishing concern after failing to meet the 35,000 spawner escapement floor for three consecutive years (2004, 2005, and 2006). The available harvest of KRFC was shared equally between non-tribal and tribal fisheries (tribes with Federally-recognized fishing rights). KRFC also provided the basis for the NMFS ESA consultation standard for California coastal Chinook, which limits the ocean harvest rate on age-4 KRFC to no more than 16.0 percent.

Regulations to Achieve Objectives

To achieve the management objectives for KRFC, the adopted regulations were designed to result in: (1) a Klamath River run of 115,400 fall Chinook adults resulting in a spawner escapement of 40,700 fish in natural areas, taking into account projected river fishery impacts of 52,300 adults and returns to basin hatcheries; (2) 50 percent (27,000) of the allowable adult harvest for tribal subsistence and commercial fisheries; (3) 83 percent (22,500) of the non-tribal harvest to the Klamath River recreational fishery; and (4) 13.4 percent (600) of the ocean harvest to the KMZ recreational fishery. These harvest allocations were expected to result in an 88 percent/12 percent California/Oregon sharing of KRFC ocean troll harvest. The age-4 ocean harvest rate resulting from the above configuration was expected to be 2.4 percent.

Inside Harvest

Yurok and Hoopa tribes shared a federally reserved right of 50 percent (27,000) of the available harvest surplus of adult Klamath fall Chinook. The State of California managed the river recreational fishery under a 22,500 adult fall Chinook quota. Tribal adult fall Chinook landings totaled 22,260, which was 82 percent of the quota (Appendix B, Table B-5). The estimated recreational fishery harvest was 1,863 adult fish, which was 8 percent of the quota. Harvest estimates from streams outside the Klamath River Basin were not available.

Escapement and Management Performance

Threatened California North Coast Chinook

Historical indices of spawner abundance, or actual spawning escapement estimates, for Chinook salmon in California coastal streams outside of the Klamath River Basin are limited. Cursory, nonsystematic surveys are conducted on one tributary of the Mad River and two tributaries of the Eel River. Video counts of Chinook passage at Mirabel Dam on the Russian River have been conducted since 2000 (Appendix B, Table B-7).

The 2008 preseason forecast of the KRFC age-4 ocean harvest rate was 2.4 percent (the ESA consultation standard for California Coastal Chinook was no more than 16.0 percent). The postseason evaluation of the 2008 age-4 ocean harvest rate was not available in time for this report.

Klamath River Fall Chinook

The 2008 preliminary postseason river run size estimate for KRFC was 70,572 adults compared to the preseason predicted ocean escapement (river run size) of 115,400 adults. The escapement to natural spawning areas was 30,925 adults, which was 0.8 times the preseason prediction of 40,700 adults. The estimated number of hatchery returns was 13,552 adults. Table II-2, Figure II-2, and Appendix B, Table B-4 present historical harvest and escapement data for KRFC.

Spawning escapement to the upper Klamath River tributaries (Salmon, Scott, and Shasta Rivers), where spawning was only minimally affected by hatchery strays, totaled 7,935 adults. The Shasta River has historically been the most important Chinook salmon spawning stream in the upper Klamath River, supporting a spawning escapement of 30,700 adults as recently as 1964, and 63,700 in 1935. The escapement in 2008 to the Shasta River was 2,741 adults, while escapement to the Salmon and Scott Rivers was 1,749 and 3,445 adults, respectively (Appendix B, Table B-6).

OREGON COAST CHINOOK STOCKS

Oregon coast Chinook stocks include all fall and spring stocks from Oregon streams south of the Columbia River. These stocks are categorized into two major subgroups based on ocean migration patterns. Although ocean harvest distributions overlap somewhat, they are categorized as either north or south/local migrating. North migrating Chinook stocks include stocks north of and including the Elk River, with the exception of Umpqua River spring Chinook. South/local migrating Chinook stocks include Rogue River spring and fall Chinook, Umpqua River spring Chinook, and fall Chinook from smaller rivers south of the Elk River.

Based on CWT analysis, the populations from ten major north Oregon coast (NOC) river systems from the Nehalem through the Siuslaw Rivers are harvested primarily in PSC ocean fisheries off B.C. and SEAK, and to a much lesser degree, in Council area fisheries off Washington and Oregon, and terminal area fisheries. Analysis of CWTs indicates the populations from five major mid-Oregon coast (MOC) systems between the Coos and the Elk Rivers are harvested primarily in ocean fisheries off B.C., Washington, and Oregon, with minor catches in California fisheries. South/local stocks are important contributors to ocean fisheries off Oregon and northern California. Another central Oregon stock, Umpqua River spring Chinook, contributes primarily to ocean fisheries off Oregon and California, and to a lesser degree, off Washington, B.C., and SEAK.

Management Objectives

The conservation objective for Oregon coast salmon was an aggregate of 150,000 to 200,000 natural adult spawners, as indicated by peak spawner counts of 60 to 90 fish per mile in standard index surveys. This stock has been an abundant stock historically, therefore preseason abundance estimates were not developed for this stock, and it has not been of critical management concern. ESA consultation standards for OCN coho, LCN coho, and California Coastal Chinook, and KRFC management objectives generally result in reduced Council-area ocean fishery impacts on Oregon south/local migrating Chinook stocks. In 2008 due to the SRFC conservation alert, Council-area Chinook fisheries were closed south of Cape Falcon. Humbug Mountain to Cape Falcon Chinook fisheries have a minor impact on most of the stocks originating from the NOC, which have a northerly marine distribution pattern.

Regulations to Achieve Objectives

The areas of primary management concern for ocean fisheries impacting Oregon coast Chinook vary between the north and south/local migrating stocks, although there is some overlap. Preseason abundance estimates were not available for Oregon coast Chinook; however, based on postseason abundance indicators, Council area fisheries impacts on this stock have not significantly affected objective

achievement in recent years. Under the 2008 regulations, the STT did not expect the aggregate conservation objective for this stock to be met; however, because of the constraints required for SRFC, LCN and OCN coho, Council area fisheries were not expected to affect compliance.

"For the 2008 Oregon State-waters terminal area fisheries, conservative regulations were adopted with the intention of reducing impacts on these stocks. These regulations included season quotas, daily and weekly landing limits in commercial fisheries, and reduced daily and season bag limits in recreational fisheries.

Inside Harvest

Inside recreational harvest of fall and spring Chinook occurred in most Oregon coastal estuaries and rivers. Complete estimates of the 2008 recreational Chinook harvest in freshwater areas were not available. Historical estimates of the recreational harvest of fall and spring Chinook, derived from Oregon Department of Fish and Wildlife (ODFW) salmon and steelhead angler catch record cards are reported in Table II-3.

Escapement and Management Performance

Actual escapement was not estimated for this stock aggregate. Achievement of an aggregate 150,000 to 200,000 naturally spawning adults was assessed through indices (e.g., stream surveys, dam counts, etc.). The escapement goal was equivalent to peak spawner index counts of 60 to 90 adults per mile in nine index streams and included both spring and fall Chinook. Peak spawner index counts were based on traditional non-random surveys. ODFW is developing alternate methodologies for establishing escapement goals for several fall Chinook PSC indicator stocks. The escapement goals and assessments for these stocks will likely change upon completion of this process.

The overall quota for the three terminal area commercial fisheries was 1,000 Chinook. The catch estimate for those fisheries was 520 Chinook.

North Migrating Chinook

An index of adult spawners (peak count per index mile) in nine standard streams was used to measure natural spawner escapement trends for north migrating fall Chinook. Data have been collected since about 1950 for most systems. Overall peak Chinook adult index spawner counts in 2008 were preliminarily estimated at 40 adults per mile, less than the goal range of 60 to 90 adults per mile (Table II-4, Figure II-3).

South/Local Migrating Chinook

Standard fall Chinook spawning index escapement data for the smaller southern Oregon coastal rivers (south of the Elk River) were available for the Winchuck, Chetco, and Pistol Rivers (Appendix B, Table B-8). Rogue River carcass counts were used as an indicator of trends in escapement for naturally produced fall Chinook, but these surveys were not conducted in 2008 (Table II-4). In addition, two trend indicators of escapement for naturally produced spring Chinook were utilized: (1) Rogue River counts at Gold Ray Dam, and (2) Umpqua River counts at Winchester Dam (Table II-4). Escapement based on these indicators had been stable or increasing since the early 1990s but were below the recent five-year returns in 2008 (Figures II-3 and II-4). The aggregate Oregon coast goal of 150,000 to 200,000 naturally spawning Chinook adults was probably not met in 2008.

Coastal Hatchery Chinook

Preliminary estimates of total fall and spring Chinook returns to Oregon coastal hatcheries in 2008 were 2,700 and 6,100 adults, respectively (Table II-3). Hatchery egg-take goals were expected to be met at all stations.

COLUMBIA RIVER BASIN CHINOOK STOCKS

Columbia River Basin Chinook salmon stocks include fall, summer, and spring stocks. NMFS has listed five Chinook ESUs within the Columbia Basin under the ESA, (1) Snake River fall listed as threatened April 1992; (2) Snake River spring/summer listed as threatened April 1992; (3) upper Columbia River spring listed as endangered March 1999; (4) lower Columbia River listed as threatened March 1999; and (5) upper Willamette River spring listed as threatened March 1999.

The assessment below covers five major stock groups of Columbia River Basin fall Chinook: lower river hatchery (LRH) tule stock and lower river wild (LRW) bright stock, both of which are part of the ESA-listed lower Columbia River Chinook ESU; Spring Creek Hatchery (SCH) tule stock; upriver bright (URB) stock, which includes the ESA-listed Snake River fall Chinook ESU; and mid-Columbia bright (MCB) hatchery stock. Management details for Columbia River spring and summer Chinook stocks are not discussed, since Council-managed ocean salmon fisheries have very limited impacts on these stocks (less than a 2 percent exploitation rate in base-period fisheries). Appendix B, Tables B-12 through B-19, contain historical harvest and escapement data for fall, summer, and spring stocks. Appendix B, Table B-20 summarizes catch information for all three Chinook runs in the Columbia Basin. Additional information on these stocks can be found in the *Joint Staff Report: stock status and fisheries for spring Chinook, summer Chinook, sockeye, steelhead, and other species and miscellaneous regulations* and the Joint *Staff Report concerning the fall in-river commercial harvest of Columbia River fall Chinook, summer steelhead, coho salmon chum salmon, and sturgeon* published annually by the joint staffs of ODFW and WDFW.

Management Objectives

Council-area fisheries north of Cape Falcon in 2008 were managed to access SCH and LRH stocks while meeting the NMFS ESA consultation standards for the ESA-listed Snake River fall Chinook ESU and lower Columbia River Chinook ESU (both LCR natural tules and LRW). The standard for the Snake River fall Chinook ESU was no less than a 30.0 percent reduction in the Snake River Fall Index (SRFI) from the 1988 through 1993 base period exploitation rate for all ocean fisheries combined. The standard for ESA-listed lower Columbia River natural tules was a total (ocean plus inriver) AEQ exploitation rate of no more than 41.0 percent. For preseason modeling, the estimated total exploitation rate on a composite of Washougal, Kalama, Cowlitz, and Big Creek hatchery tules was used as a surrogate for natural tules. The NMFS ESA consultation standard for LRW is a North Lewis River fall Chinook spawning escapement of 5,700. The preseason forecast was for an escapement of 3,800. NMFS guidance for 2008 did not require any additional constraints in Council area fisheries to increase LRW escapement; however, WDFW objectives included managing southern U.S. ocean and inriver fisheries to achieve an AEQ exploitation rate of no more than 10.0 percent on LRW Chinook. In 2008, the WDFW objective for LRW was the primary constraint on Council-area Chinook fisheries north of Cape Falcon.

Inside Harvest

Since the Columbia River Fishery Management Plan expired on December 31, 1998, fall Chinook in Columbia River fisheries have been managed under the guidance of annual management agreements among the *U.S.* versus *Oregon* parties. In 2008, a new 10 year management agreement was negotiated through the *U.S.* versus *Oregon* process, which included revisions to some inriver objectives. In particular, the *"2008-2017 U.S. v Oregon Management Agreement"* (2008-2017 MA) specified that with

run sizes of at least 200,000 URB fall Chinook, including at least 6,000 Snake River wild (SRW) fall Chinook, the allowable URB (proxy for ESA-listed Snake River fall Chinook ESU) impact rate would be 38 percent.

In 2008, the fall fisheries were managed to achieve the NMFS ESA consultation standards for the ESA-listed Snake River fall Chinook ESU, and to minimize impacts on ESA-listed LRW, which was forecast at less than its escapement goal. Because of constraints for LRW in ocean and river fisheries, LCR tule did not constrain inriver fisheries.

Harvestable surplus was projected for all major fall stocks except LRW in 2008. The postseason fall Chinook run reconstruction, however, was not completed in time for this report. The preliminary catch estimate for the non-Indian commercial gillnet fisheries were 4,686 spring, 1,341 summer, and 43,180 fall Chinook, which included 4,586 spring, 59 summer, and 14,170 fall Chinook in Select Area (terminal) fisheries. The preliminary catch estimates for the treaty Indian fisheries were 20,561 spring, 9,029 summer, and 109,063 fall Chinook. The preliminary catch estimate for the recreational fisheries included 7,860 fall Chinook in the Buoy 10 fishery, and 20,311 spring, 2,140 summer, and 10,840 fall Chinook in mainstem fisheries below Bonneville Dam, 1,830 spring Chinook in mainstem fisheries above Bonneville Dam, and 4,600 fall Chinook in the Hanford Reach fishery above McNary dam (Appendix B, Table B-20).

Escapement and Management Performance

Preliminary escapement estimates of 4,823 indicate that LRW did not meet its 5,700 escapement objective (Table II-5). All other Columbia River fall stocks met their escapement objectives. Preliminary estimates of river mouth returns based on inseason run updates were: 56,700 LRH; 5,000 LRW; 95,900 SCH; 224,200 URB; 60,400 MCB, and 6,300 SRW. The total ocean escapement of the five stocks was 441,000 fall Chinook (Figure II-5).

The 2008 URB and SRW run sizes were both large enough to allow a 38 percent harvest rate per the 2008-2017 MA. The preliminary URB harvest rate estimate was 36.4 percent. No specific escapement goal was established for the ESA-threatened Snake River wild fall Chinook stock. Because nearly all spawning of this stock occurs upstream from Lower Granite Dam, establishing a spawning escapement goal at Lower Granite Dam would be appropriate. In the *Proposed Recovery Plan for Snake River Salmon*, NMFS has proposed a delisting goal for Snake River fall Chinook that provides for an eight-year (approximately two generation) geometric mean of at least 2,500 natural origin spawners in the mainstem Snake River annually; the eight-year mean through 2007 was 2,566. The total adult fall Chinook count at Lower Granite Dam in 2008 was 16,628 up from 10,195 in 2007. A significant portion of recent year years returns were from supplementation programs. An estimate of SRW fall Chinook escapement in 2008 was not available for this report.

No postseason estimates of exploitation rate on Columbia River natural tule or Snake River fall Chinook for ocean fisheries were available.

WASHINGTON COASTAL CHINOOK STOCKS

Washington coastal Chinook stocks include all fall, summer, and spring stocks from coastal streams north of the Columbia River through the western Strait of Juan de Fuca (west of the Elwha River, inclusive). This complex consists of several natural stocks, generally of small to medium-sized populations, and some hatchery production (primarily Willapa Bay and Quinault River). Coastal stocks are not impacted significantly by Council-area ocean fisheries.

Management Objectives

Spawning escapement goals for natural stocks managed within this complex, established in U.S. District Court by WDFW and the treaty Indian tribes, were recognized in the Council's FMP conservation objectives. Objectives for Grays Harbor and the North Coast river systems were established pursuant to the U.S. District Court order in *Hoh* versus *Baldrige*. However, annual natural spawning escapement targets may vary from the FMP conservation objectives if agreed to by WDFW and the treaty Indian tribes under the provisions of *Hoh* versus *Baldrige* and subsequent U.S. District Court orders. After agreement is reached on the annual targets, ocean fishery escapement objectives are established for each river, or region of origin, which include provisions for treaty Indian allocation and inside non-Indian fishery needs.

Regulations to Achieve Objectives

Stocks in this complex tend to range farther north than most Columbia River stocks and, while present in fisheries from Cape Falcon to SEAK, tend to have limited impacts in Council-area ocean fisheries. Preseason abundance estimates were available for the first time in 2008 for the Council preseason management process. However, base period Council-area ocean fishery AEQ exploitation rates of 5 percent or less were below a management threshold that allows effective Council management of these stocks, and therefore they qualified as exceptions to the Council's overfishing criteria.

Willapa Bay Chinook

Inside Harvest

Run size, harvest, and escapement data for Willapa Bay fall Chinook are presented in Appendix B, Table B-23.

No Chinook-directed non-Indian gillnet fishery was conducted during July and the first half of August 2008. This fishery is commonly referred to as the "summer dip-in" fishery; it occurs irregularly because historically it was dependent on Columbia River tule abundance, which are now an ESA listed stock. This fishery was generally assumed to harvest Columbia River tule stocks in a mix similar to adjacent ocean area catches; however, in light of recent catch composition information (>70 percent local Willapa Bay and Grays Harbor origin stock) this assumption has been questioned.

The 2008 pre-season forecast of Chinook returning to Willapa Bay was 29,563 fish (2,516 natural and 27,047 hatchery). Concerned by the low abundance forecast of local Willapa Chinook, the one-day update fishery that typically occurs in late August was eliminated in order to maximize harvest of hatchery coho. Chinook harvest in coho-targeted gillnet fisheries during 2008 totaled 3,595 fish based on preliminary data.

Recreational fisheries in the marine waters of Willapa Bay were open from July 1 through July 31, 2008 concurrent with the Ocean Marine Area 2 (ocean rules applied). From August 1 through August 15, 2008, Willapa Bay was open to recreational fishing with no more than two adults allowed to be harvested daily and August 16, 2008 through January 31, 2009 with no more than three adults allowed to be harvested daily, of which only two could be Chinook. Barbed hooks were allowed when fishing for salmon. Retention of chum salmon was allowed.

Recreational salmon fisheries in tributaries to Willapa Bay varied in duration but were generally open August 1, 2008 through January 31, 2009 with two adult Chinook allowed daily. Single-point, barbless hooks were required in all areas. Recreational harvest estimates were not available for 2008.

Escapement and Management Performance

During 2007, Chinook returning to hatcheries in the Willapa Bay watershed totaled 14,282 fish. Based on current hatchery production, this return was sufficient to achieve the goal of 9,800 total Chinook escapement to Willapa Bay hatchery facilities. An escapement estimate was unavailable for 2008.

The WDFW escapement goal for naturally spawning Chinook in Willapa Bay was 4,350 adults. An estimate of the 2008 natural spawning escapement was not available (the 2007 natural escapement was 1,529 Chinook).

Grays Harbor Chinook

Inside Harvest

Run size, harvest, and escapement data for Grays Harbor Chinook are presented in Appendix B, Table B-25.

Spring Chinook sales were prohibited in the Chehalis Tribe commercial gillnet fishery, but the Tribe reported some ceremonial and subsistence permit fishing during the season. On the Chehalis River and the Humptulips commercial fishing Area 2C the Quinault Indian Nation conducted a spring/summer commercial gillnet fishery with mesh restrictions to reduce impacts on spring Chinook while targeting white sturgeon. The recreational season was also closed to spring Chinook retention in Grays Harbor. No summer non-Indian gillnet fishery directed at non-local Chinook stocks occurred in 2008.

Retention of fall Chinook was allowed on the Humptulips River during the coho-directed non-Indian gillnet fishery in 2008. Fall Chinook were required to be released during the non-Indian gillnet fishery in 2008 on the Chehalis River and live-boxes were required. In the non-Indian recreational fishery, retention of adult Chinook was not allowed in Marine Area 2-2 from September 16 through November 30 and on the Chehalis River (all sections) from September 16 through January 31. In the Humptulips River from the mouth to Hwy 101 Bridge, retention of Chinook was not allowed from October 1 through January 31. Recreational harvest estimates were not available.

The Quinault Indian Nation fall gillnet fishery harvested a total of 1,878 fall Chinook in two separately scheduled areas: the first in the lower Humptulips River and adjacent Area 2C of Grays Harbor and the second in the lower Chehalis River and adjacent areas of Grays Harbor, Areas 2D, 2A, and 2A-1. Fishing was restricted to east of Stearns Bluff in the Chehalis River, and Areas 2D, 2A, 2A-1 to limit catches of Chinook destined to Grays Harbor tributaries other than the Chehalis River. The Humptulips area treaty Indian gillnet fishery caught 1,059 fall Chinook, which was just above the preseason expected catch level. The Chehalis River treaty Indian gillnet fishery caught 731 fall Chinook, which was just below the preseason expected catch level.

Escapement and Management Performance

Chehalis River spring Chinook are of natural origin and managed for an escapement goal of 1,400 adults. The 2008 terminal run forecast for spring Chinook was 912 adult fish; an escapement estimate was not available for the 2008 return. The 2007 final escapement estimate was 651.

Grays Harbor fall Chinook were managed for a natural spawning escapement goal of 14,600 adults. The 2008 Grays Harbor fall Chinook forecast was 15,270 wild and 2,459 hatchery adults; the spawning ground escapement estimate for 2007 was 12,440, which includes some hatchery origin fish. An escapement estimate for 2008 was not available. The established hatchery escapement goals for the

Grays Harbor are 400 for the Chehalis River and 369 for the Humptulips River, both of which were achieved in 2008.

Quinault River Chinook

Inside Harvest

Historical terminal gillnet harvest data for Quinault River Chinook stocks are presented in Appendix B, Table B-27.

A run of natural spawning spring/summer Chinook enters the river from April through July. The spring/summer Chinook run is typically small and any harvest is taken incidentally during fisheries directed at sockeye and steelhead. A total of approximately 10 spring/summer Chinook were harvested in 2008.

The 2008 harvest of Quinault River fall Chinook was mostly hatchery origin fish taken in September and October. The treaty Indian net catch totaled 3,682 fall Chinook.

Escapement and Management Performance

Quinault fall Chinook were managed for hatchery production. The 2008 fall Chinook spawning escapement estimate was not available. Hatchery egg-take goals for fall Chinook were obtained at the tribal facilities. In addition, fall Chinook eggs to supplement hatchery rack returns at the U.S. Fish and Wildlife Service (USFWS) Quinault National Fish Hatchery were taken at the tribal facility.

Queets River Chinook

Inside Harvest

Historical terminal run size, catch, and escapement data for Queets River spring/summer and fall Chinook are presented in Appendix B-29 and B-30, respectively.

The treaty Indian gillnet harvest of spring/summer Chinook was limited to incidental catch in a ceremonial fishery. Only three Chinook were harvested. The non-Indian in-river recreational fishery was closed to retention of Chinook.

Fall Chinook were harvested from August 31 to October 13 by the treaty Indian gillnet fishery. The fishery followed a schedule set by preseason management agreement between the Quinault Indian Nation and WDFW. The fishery targeted hatchery and natural coho and limited impacts to natural and indicator Chinook by closing after October 13 until the beginning of steelhead season. The treaty Indian gillnet fishery harvested 1,022 fall Chinook in the commercial fishery. Recreational fisheries targeted coho, requiring non-retention of Chinook during standard schedules in the Queets, Clearwater, and Salmon rivers. A catch estimate for this fishery was not available.

Escapement and Management Performance

The preliminary 2008 spawning escapement estimate for Queets River spring/summer Chinook was 305 adults, less than 50 percent of the minimum escapement goal of 700.

Total fall Chinook escapement in 2008 may be near the minimum escapement goal of 2,500. The spawner survey escapement estimate was not completed. Catch sampling suggests a higher proportion of the returns may have been natural fish than forecasted pre-season, with the remaining being “indicator” Chinook. The indicator Chinook originate from wild broodstock taken each year in the river.

Hoh River Chinook

Inside Harvest

Historical terminal run size, catch, and escapement data for Hoh River spring/summer and fall Chinook are presented in Appendix B, Tables B-32 and B-33, respectively.

The 2008 Hoh River spring/summer Chinook terminal abundance forecast was 892 fish, just below the minimum escapement goal of 900. A terminal harvest rate of 6 percent was agreed to so the Tribe could operate a fishery targeting hatchery dip-in Chinook as well as a limited ceremonial and subsistence fishery. The treaty gillnet fishery occurred between the weeks of May 5 and June 16, and was open one day per week during the first three weeks, two days per week for the next three weeks, and one day per week for the remaining week. Tribal regulation in 2008 required a minimum of 8 inch stretch mesh during the first week in order to minimize incidental take of steelhead kelts. The treaty gillnet fishery harvested 299 Chinook, including an estimated 50 taken during separately scheduled ceremonial and subsistence fishing. Results of mark sampling indicated that 267 of these were of hatchery origin (32 natural). Scale samples remain to be analyzed. The non-Indian recreational fishery operated from May 1 through August 31, Wednesdays through Sundays, with a bag limit of one hatchery adult per day from the mouth up to Willoughby Creek. Retention of unmarked Chinook was prohibited. A preliminary estimate of Chinook taken in the sport fishery was not available.

Hoh River fisheries for fall Chinook were based on an expected terminal run size of 2,873 adults, allowing for a terminal harvest rate of 36.1 percent. The spawning escapement was expected to be 1,836 adults.

The tribal fishery targeted 24.8 percent of the terminal run. The treaty Indian gillnet fishery was scheduled for one day per week during the first two weeks of September, two days per week for the next four weeks, three days per week for the next four weeks and two days per week during the final week. The tribal fishery caught approximately 659 Chinook. Results of mark sampling indicated that 634 of these were of natural origin. Coded-wire tag data was not available.

The non-Indian recreational fishery extended from September 1 through November 30, with the river below Willoughby Creek open and a daily-bag-limit of six salmon, two of which could be adults. The portion of the river between Willoughby Creek and Morgan's Crossing was open October 16 through November 30. The delayed opening was to reduce impacts on spawning spring/summer Chinook in that reach. The river above Morgan's Crossing was closed to recreational salmon fishing. A catch estimate was not available for the recreational fishery.

Escapement and Management Performance

Tribal catch and expected harvest rates indicate the spring/summer Chinook terminal run size were lower than preseason expectations. The preliminary 2008 spawning escapement for Hoh River spring/summer Chinook was 550 adults, approximately 39 percent lower than the 900 fish minimum escapement goal established for this stock.

Tribal catch and expected harvest rates indicate the fall Chinook terminal run size was slightly below the level anticipated preseason. The preliminary 2008 spawning escapement for Hoh River fall Chinook was estimated at 1,774, approximately 48 percent higher than the 1,200 fish minimum escapement goal established for this stock.

Quillayute River Chinook

Inside Harvest

Historical terminal run size, catch, and escapement data for Quillayute River spring, summer, and fall Chinook are presented in Appendix B, Tables B-35 and B-36 respectively. Spring and summer Chinook are currently managed separately, but data for both are combined in Table B-35. All hatchery origin fish are considered to be spring Chinook, and all natural spawners and tribal broodstock collections are considered to be summer Chinook.

The recreational and tribal fisheries for spring and summer Chinook were established by preseason agreement between WDFW and the Quileute Tribe. The total tribal catch for 2008 was 993 spring and 132 summer Chinook and included ceremonial and subsistence use. Estimates of 2008 recreational spring and summer Chinook harvest were not available.

The total 2008 Quileute Tribal harvest of fall Chinook was 1,427, and included ceremonial and subsistence use. An estimate of the 2008 recreational catch was not available.

As in past years, WDFW required release of unmarked Chinook during July and August to reduce impacts of the recreational fishery on the natural summer Chinook stock. The fall recreational fishery from September through November proceeded with normal bag limits and schedule. The Quileute Tribe did not have a closure in their fishery this year, but as in past years, reduced their fishery to 29 hours per week during July and August to reduce impacts to summer Chinook.

Escapement and Management Performance

The management agreement called for an escapement goal of 200 hatchery spring Chinook. The actual rack return was 826, which exceeded hatchery requirements.

The summer Chinook run was managed to achieve an escapement of 1,200 adults, jacks, and broodstock collection combined. The preliminary estimated natural spawning summer Chinook escapement of 904 was under the escapement goal.

Terminal area fisheries on fall Chinook are managed for a target 40 percent harvest rate, with a minimum escapement level of 3,000 adults. The preliminary escapement estimate of 4,306 fall Chinook was above the escapement goal.

PUGET SOUND CHINOOK STOCKS

Puget Sound Chinook stocks include all fall, summer, and spring stocks originating from U.S. tributaries in Puget Sound and the eastern Strait of Juan de Fuca (east of Salt Creek, inclusive). This stock complex consists of numerous natural Chinook stocks of small to medium sized populations and significant hatchery production. The Puget Sound ESU was listed under the ESA as threatened in March 1999.

Management Objectives

The stocks within this complex and their respective FMP conservation objectives were established in U.S. District Court by WDFW and the treaty Indian tribes. The conservation objectives for stocks managed primarily for natural production were developed by a State/Tribal Management Plan Development Team following the Boldt Decision, and were based on "the adult spawning population that will, on the average, maximize biomass of juvenile outmigrants subsequent to incubation and freshwater rearing under average environmental conditions." The objectives were estimated for the average spawning escapement during periods thought to represent spawner abundances that provided maximum production. The objectives for

stocks managed for artificial production are based on hatchery escapement needs. Annual management targets (expected hatchery returns plus natural escapement) for specific rivers or regions of origin may vary from the FMP conservation objectives by following fixed procedures established in U.S. District Court as outlined in "Memorandum Adopting Salmon Management Plan" (*U.S. versus Washington*, 626 F. Supp. 1405 [1985]).

NMFS has developed rebuilding exploitation rate (RER) standards for some ESA-listed Puget Sound stocks (Table II-5). Predicted total exploitation rates were compared to these standards and used by NMFS in setting ESA consultation standards for the combined Council/Puget Sound salmon fisheries. Puget Sound stocks were managed pursuant to the provisions of a WDFW/Tribal management plan approved under a 4(d) rule promulgated by NMFS.

Regulations to Achieve Objectives

Puget Sound stocks contribute to fisheries off B.C., are present to a lesser degree off SEAK, and are impacted to a minor degree by Council-area ocean fisheries. Base period Council-area ocean fishery AEQ exploitation rates of 5 percent or less were below a management threshold which allowed effective Council management of these stocks, and they qualify as exceptions to the Council's overfishing criteria.

Inside Harvest

Commercial inside fishery harvest of Puget Sound Chinook was managed on the basis of six regional stock management units or, in some cases, component stocks within management units: Strait of Juan de Fuca, Nooksack-Samish, Skagit, Stillaguamish-Snohomish, South Puget Sound, and Hood Canal. Harvest was regulated according to the natural spawning escapement goal or hatchery program escapement goal for that unit. Commercial net and troll harvest (treaty Indian and non-Indian) is presented in Appendix B, Table B-38. These catches included some fish of non-Puget Sound origin. The total commercial harvest in Puget Sound in 2008 was 105,163 Chinook, compared to 122,048 Chinook caught in 2007. The 2008 non-Indian net catch was 6,119 Chinook, compared to 6,785 Chinook caught in 2007. The 2008 treaty Indian net and troll harvest was 99,044 Chinook, compared to 115,263 Chinook caught in 2007.

Recreational Chinook catches in the Puget Sound recreational fishery for years 1971 through 2007 are presented in Appendix B, Table B-39. Catch estimates for the 2008 Puget Sound recreational fishery were not available.

Escapement and Management Performance

Puget Sound Chinook management goals for fishery planning processes in 2008 were expressed in terms of constraints on total fishery exploitation rates (RER). Information to evaluate performance against these constraints was not available.

Historical hatchery and natural run component escapements and net catches for summer/fall Chinook for each Puget Sound region of origin are presented in Appendix B, Table B-40. Historical spring Chinook escapement data are presented in Appendix B, Table B-43.

All Puget Sound spring Chinook hatchery escapement goals were met. Preliminary data suggest most Puget Sound hatcheries met their summer/fall Chinook goals.

Naturally spawning Puget Sound spring and summer/fall Chinook remained depressed in 2008. Preliminary data suggest no Puget Sound spring Chinook natural stocks met their escapement goals. Preliminary information on 2008 natural spawning escapements for summer/fall Chinook stocks indicate escapement goals were met in some areas, but not in many others. Actual escapement numbers were not

available at this time for most runs. In many natural spawning areas hatchery Chinook comprise a large component of the natural spawning population.

COASTWIDE GOAL ASSESSMENT SUMMARY

Information to assess conservation objectives was unavailable for LCR natural tule Chinook, Snake River wild fall Chinook, Grays Harbor natural fall Chinook, and all Puget Sound natural Chinook stocks. Conservation objectives for all other Council managed Chinook stocks were met except for natural and hatchery spawning adult escapement for SRFC, natural area adult escapement of KRFC, Oregon Coast Chinook, North Lewis River fall (LRW), Hoh spring/summer, Queets spring/summer, and Quillayute summer Chinook.

A summary of 2008 performance for Chinook salmon stocks in relation to Council conservation objectives is presented in Table II-5.

TABLE II-1. Sacramento River natural and hatchery adult fall Chinook escapements in numbers of fish.

	Upper River[a/]			Lower River			Total		
Year	Hatchery	Natural[b/]	Subtotal	Hatchery	Natural[b/]	Subtotal	Hatchery	Natural[b/]	Grand Total
1970	3,010	61,160	64,170	10,266	82,718	92,984	13,275	143,878	157,154
1971	1,728	67,586	69,314	11,011	74,556	85,567	12,739	142,143	154,882
1972	1,259	36,485	37,744	6,766	47,647	54,413	8,025	84,132	92,157
1973	1,679	48,948	50,627	18,010	151,422	169,433	19,689	200,371	220,060
1974	1,984	66,304	68,288	11,799	121,930	133,729	13,783	188,234	202,017
1975	3,289	72,986	76,275	10,781	68,564	79,346	14,071	141,550	155,621
1976	3,017	80,263	83,280	8,612	75,975	84,586	11,628	156,238	167,866
1977	6,083	60,967	67,050	14,896	82,065	96,961	20,978	143,032	164,011
1978	2,717	66,991	69,708	9,937	47,303	57,240	12,654	114,295	126,948
1979	6,407	81,332	87,739	9,405	72,299	81,704	15,812	153,632	169,444
1980	10,271	45,504	55,775	14,645	71,608	86,253	24,916	117,113	142,028
1981	5,883	51,831	57,714	25,047	92,129	117,177	30,930	143,960	174,890
1982	17,117	39,694	56,811	14,548	92,600	107,148	31,666	132,293	163,959
1983	6,112	42,570	48,682	12,474	48,831	61,305	18,586	91,401	109,987
1984	19,594	51,772	71,366	19,131	67,733	86,865	38,725	119,505	158,230
1985	15,869	103,698	119,566	13,385	105,753	119,138	29,254	209,450	238,704
1986	11,283	113,875	125,158	10,565	102,434	112,999	21,847	216,310	238,157
1987	9,981	76,861	86,842	9,851	97,930	107,782	19,833	174,791	194,623
1988	12,594	128,725	141,319	14,177	69,228	83,405	26,771	197,953	224,724
1989	10,212	67,296	77,508	14,730	59,387	74,117	24,942	126,683	151,625
1990	13,464	50,225	63,689	8,283	32,973	41,256	21,747	83,198	104,945
1991	10,031	34,826	44,857	15,999	56,144	72,143	26,030	90,970	117,000
1992	6,257	30,529	36,786	15,431	27,723	43,154	21,688	58,252	79,940
1993	7,056	55,144	62,200	17,570	55,412	72,982	24,626	110,556	135,182
1994	11,585	66,383	77,968	19,017	66,647	85,664	30,601	133,030	163,631
1995	24,810	112,235	137,045	16,738	141,252	157,990	41,548	253,487	295,035
1996	18,848	131,268	150,116	13,670	135,803	149,474	32,519	267,071	299,590
1997	44,590	167,353	211,943	18,686	112,246	130,932	63,276	279,599	342,875
1998	42,400	60,713	103,113	27,516	107,431	134,947	69,915	168,144	238,060
1999	23,194	256,629	279,823	19,029	97,089	116,118	42,224	353,718	395,942
2000	20,793	152,923	173,716	26,782	216,291	243,073	47,575	369,214	416,789
2001	23,710	179,198	202,908	33,689	358,217	391,906	57,399	537,415	594,814
2002	61,946	474,812 [c/]	536,758	23,747	207,883	231,630	85,693	682,695	768,388
2003	82,708	164,802	247,510	25,490	248,636	274,126	108,198	413,438	521,636
2004	51,557	70,548	122,105	28,510	132,930	161,440	80,067	203,478	283,545
2005	142,135	96,716	238,851	41,166	113,990	155,156	183,301	210,706	394,007
2006	56,966	85,946	142,912	21,722	103,338	125,060	78,688	189,284	267,972
2007	11,558	32,645	44,203	9,759	33,919	43,678	21,317	66,564	87,881
2008[d/]	10,173	35,786	45,959	7,551	12,754	20,305	17,724	48,540	66,264
Goal									122,000-180,000

a/ Above the Feather River; 1971-1985 estimates include Tehama-Colusa Spawning Channel.

b/ Fish spawning in natural areas are the result of hatchery and natural production; estimates generally based on carcass surveys.

c/ Estimation methodology was changed due to an extremely high Battle Creek escapement in 2002.

d/ Preliminary.

TABLE II-2. Klamath River adult inriver fall Chinook run size, spawning escapement, recreational catch, Indian gillnet harvest, and non-landed fishing mortalities in numbers of fish and percent of the total inriver run size.)

	Spawning Escapement				Inriver Recreational Catch		Indian Net Catch		Non-landed Fishing Mortality		Inriver Run Size
Year	Hatchery	Natural	Total	Percent	Numbers	Percent	Numbers	Percent	Numbers	Percent	Numbers
1978	12,979	58,492	71,471	77%	1,694	2%	18,200	20%	1,618	2%	92,983
1979	3,636	30,637	34,273	67%	2,141	4%	13,650	27%	1,231	2%	51,295
1980	6,511	21,483	27,994	61%	4,496	10%	12,013	26%	1,137	2%	45,640
1981	4,425	33,857	38,282	48%	5,983	7%	33,033	41%	2,994	4%	80,292
1982	10,411	31,951	42,362	64%	8,339	13%	14,482	22%	1,429	2%	66,612
1983	13,865	30,784	44,649	78%	4,235	7%	7,890	14%	772	1%	57,546
1984	7,496	16,064	23,560	50%	3,340	7%	18,670	40%	1,691	4%	47,261
1985	22,534	25,677	48,211	75%	3,582	6%	11,566	18%	1,079	2%	64,438
1986	32,891	113,360	146,251	75%	21,027	11%	25,127	13%	2,614	1%	195,019
1987	29,123	101,717	130,840	63%	20,169	10%	53,096	25%	5,029	2%	209,134
1988	33,458	79,386	112,844	59%	22,203	12%	51,651	27%	4,944	3%	191,642
1989	21,991	43,868	65,859	53%	8,775	7%	45,565	37%	4,141	3%	124,340
1990	8,067	15,596	23,663	66%	3,553	10%	7,906	22%	760	2%	35,882
1991	6,484	11,649	18,133	56%	3,383	10%	10,198	31%	956	3%	32,670
1992	7,360	12,028	19,388	73%	1,002	4%	5,785	22%	523	2%	26,698
1993	21,643	21,858	43,501	76%	3,172	6%	9,636	17%	903	2%	57,212
1994	17,072	32,333	49,405	77%	1,832	3%	11,692	18%	1,054	2%	63,983
1995	37,859	161,794	199,653	90%	6,081	3%	15,557	7%	1,477	1%	222,768
1996	20,033	81,326	101,359	58%	12,766	7%	56,476	32%	5,172	3%	175,773
1997	18,662	46,144	64,806	77%	5,676	7%	12,087	14%	1,167	1%	83,736
1998	29,219	42,488	71,707	79%	7,710	9%	10,187	11%	1,043	1%	90,647
1999	14,327	18,457	32,784	64%	2,282	4%	14,660	29%	1,322	3%	51,048
2000	97,611	82,728	180,339	83%	5,650	3%	29,415	13%	2,673	1%	218,077
2001	55,112	77,834	132,946	71%	12,134	6%	38,645	21%	3,608	2%	187,333
2002	27,183	65,635	92,818	58%	10,495	7%	24,574	15%	2,351	1%	160,788 [a/]
2003	61,782	87,642	149,424	78%	9,680	5%	30,034	16%	2,810	1%	191,948
2004	22,982	23,831	46,813	59%	4,003	5%	25,803	33%	2,325	3%	78,944
2005	27,699	26,789	54,488	84%	1,985	3%	8,016	12%	738	1%	65,227
2006	19,522	30,163	49,685	81%	62	0%	10,283	17%	1,344	2%	61,374
2007	35,050	60,670	95,720	72%	6,312	5%	27,573	21%	2,526	2%	132,131
2008[b/]	13,552	30,925	44,477	63%	1,863	3%	22,259	32%	1,973	3%	70,572
Goal		≥35,000[c/]									

a/ Inriver run size includes a USFWS estimate of 30,550 fish (19% of the run) that died prior to spawning in September 2002.

b/ Preliminary.

c/ In 2008, fisheries were managed for a natural area spawning escapement of 40,700 adults.

TABLE II-3. Oregon coastal spring and fall Chinook hatchery return and harvest in estuary and freshwater fisheries.

	Return to Facilities				
	Public Hatchery[a/]		Private	Estuary and Freshwater Harvest[b/]	
Year	Spring	Fall	All	Spring	Fall
			THOUSANDS OF CHINOOK		
1976	2.9	0.5	-	13.5	24.3
1977	2.4	4.2	-	13.8	35.6
1978	4.4	1.6	-	13.1	43.4
1979	7.0	2.0	0.4	16.4	31.2
1980	7.9	1.8	3.4	11.9	22.7
1981	2.5	1.8	5.1	11.2	30.0
1982	4.1	2.3	12.1	11.6	25.1
1983	3.9	4.0	6.1	4.9	21.5
1984	5.6	3.3	6.3	4.1	29.0
1985	8.7	3.5	34.6	9.0	29.5
1986	30.6	5.8	70.8	17.3	36.5
1987	22.8	7.1	38.7	20.2	54.8
1988	22.0	6.4	25.0	28.9	61.4
1989	32.7	4.3	14.7	23.7	53.9
1990	6.3	3.4	7.8	15.5	39.9
1991	5.4	3.1	4.1	11.1	47.7
1992	2.7	4.4	-	8.0	44.7
1993	10.6	2.8	-	16.4	54.7
1994	4.8	3.0	-	9.2	46.7
1995	55.0	3.3	-	31.1	62.0
1996	26.7	3.6	-	25.6	66.0
1997	29.1	2.0	-	14.7	43.1
1998	11.0	2.6	-	8.2	37.3
1999	18.1	3.3	-	8.2	35.2
2000	24.5	3.1	-	11.4	40.5
2001	26.8	5.7	-	18.6	66.3
2002	24.7	2.9	-	30.9	75.2
2003	17.2	3.9	-	33.1	90.2
2004	20.1	2.9	-	19.4	74.8
2005	11.7	2.6	-	10.2	27.1
2006	7.5	2.7	-	4.9	21.5
2007	6.3	2.1	-	NA	NA
2008[c/]	6.1	2.7	-	NA	NA

a/ Adults only.

b/ Freshwater harvests are derived from ODFW salmon/steelhead angler catch record card information and represent fish larger than 24 inches (i.e., adults). Includes both hatchery and natural fish.

c/ Preliminary.

TABLE II-4. Spawner indices for naturally produced Oregon coastal fall Chinook and south migrating/localized spring Chinook.[a/]

	Fall Chinook Spawner Indices		South/local Migrating Spring Chinook Spawner Indices	
Year	North Migrating Peak Count Adults Per Mile	Rogue River (South/local migrating) Adult Carcass Counts	Rogue River Gold Ray Dam Counts	Umpqua River Winchester Dam Counts
1976	45	-	20	6
1977	71	1,356	15	7
1978	73	9,174	40	5
1979	81	8,272	29	6
1980	89	2,221	24	6
1981	82	5,228	13	5
1982	90	2,812	23	7
1983	42	2,737	10	3
1984	98	3,267	8	5
1985	132	5,486	28	8
1986	109	17,177	40	8
1987	121	25,918	37	8
1988	214	31,613	39	8
1989	138	7,408	8	8
1990	121	1,868	18	6
1991	150	2,799	9	2
1992	138	2,366	2	3
1993	63	5,447	13	4
1994	125	7,366	4	3
1995	103	3,958	21	6
1996	147	2,448	10	4
1997	105	1,643	10	3
1998	99	3,601	4	4
1999	124	2,493	6	3
2000	85	3,366	3	3
2001	203	6,380	9	6
2002	269	11,836	7	7
2003	279	14,620	19	8
2004	198	5,326 [b/]	13	5
2005	118	d/	6	4
2006	100	d/	5	3
2007	42	d/	3	2
2008[c/]	40	d/	4	3
Goal	60-90			

a/ North migrating peak counts are taken on nine miles of standard index surveys over nine river systems (see Appendix B, Table B-11 for individual system counts). Complete carcass counts are listed in Appendix B, Table B-10. Complete counts for Gold Ray and Winchester dams are listed in Appendix B, Table B-9.

b/ In 2004 one of the standard survey sections was not sampled. In the previous two years this section accounted for 33% of the total adult carcass counts.

c/ Preliminary.

d/ Surveys were not conducted.

TABLE II-5. Performance of Chinook salmon stocks in relation to 2008 conservation objectives (preliminary data). (Page 1 of 2)

System and Stock	2008 Conservation Objective(s)	Achievement
Sacramento River Chinook		
Fall	122,000-180,000 natural and hatchery adults.	**Preliminary estimate of 66,264 natural and hatchery adult fall Chinook, 54% of the lower end of the escapement goal range.**
Winter (Endangered)	NMFS ESA consultation standard defines specific limits on management measures to protect Sacramento River winter and spring Chinook.	Commercial and recreational seasons south of Point Arena conformed with the consultation standard.
Spring (Threatened)	Same objective as for winter Chinook.	Objective met-see winter Chinook achievement.
California North Coast Chinook		
Klamath River Fall	Minimum escapement of 40,700 natural adult spawners.	**30,925 natural area spawners, 88% of FMP conservation objective; 76% of annual management objective.**
California Coastal (Threatened)	No greater than 16.0% ocean harvest rate on age-4 Klamath River fall Chinook.	Preseason projection of 2.4%; no postseason estimate is currently available.
Oregon Coast Chinook		
North and South/Local Migrating Stocks	150,000-200,000 natural adult spawners (equivalent to peak spawner index counts of 60-90 adults per mile).	**40 natural adult spawners per mile, below the lower bound of the aggregate stock index range.**
Columbia River Basin Fall Chinook		
LRW (Component of threatened lower Columbia River Chinook ESU)	MSY objective of 5,700 natural North Lewis River adult spawners (no specific NMFS ESA guidance for 2007).	**Preliminary estimate of 4,823, 85% of the conservation objective.**
Lower Columbia natural tules (Component of threatened lower Columbia River Chinook ESU)	Total (ocean plus inriver) AEQ exploitation rate on ESA-listed Coweeman River natural tules of no more than 41.0%	Preseason projection of 35.8%. No postseason estimate is currently available.
LRH	14,100 adult hatchery spawners.	Preliminary projection of 23,100 adult hatchery spawners, 228% of goal.
SCH	7,000 adult hatchery spawners.	26,750 adult hatchery spawners, 382% of target.
MCB	No FMP objective; target of 7,750 hatchery adults.	Based on inseason projections, escapement is expected to be 19,700.
URB	40-45,000 natural and hatchery adults above McNary Dam, plus meet treaty Indian obligations. *U.S. v. Oregon* parties agreed to a target of 45,000 adults between 1991 and 1993, and 46,000 after 1993.	101,900 natural and hatchery adults over McNary Dam, 222% of MSY target in FMP.

TABLE II-5. Performance of Chinook salmon stocks in relation to 2008 conservation objectives (preliminary data). (Page 2 of 2)

System and Stock	2008 Conservation Objective(s)	Achievement
Columbia River Basin Fall Chinook (continued)		
Snake River Fall Chinook (Threatened; component of URB)	SRFI ≤0.700 for all ocean fisheries combined (i.e., no less than a 30.0% reduction from the 1988-1993 base period exploitation rate).	Preseason SRFI projection of 0.466. No postseason estimate is currently available.
Washington Coastal Chinook		
Fall	Natural spawner escapement objectives as provided in state-tribal agreements; meet hatchery egg-take goals and meet treaty Indian obligations.	Based on preliminary estimates, Quinault hatchery, Quilayute natural, and Hoh River natural objectives were met. Other estimates are not yet available.
Spring/Summer	Natural spawner escapement objectives as provided in state-tribal agreements; meet hatchery egg-take goals and meet treaty Indian obligations.	**Based on preliminary estimates, objectives were not met for Hoh and Queets spring/summer natural, and Quillayute summer natural. An estimatewais not available for Grays Harbor fall Chinook.**
Puget Sound Chinook		
(Threatened)	Minor part of Washington ocean harvest; Council ocean management not directed at these stocks. Adult equivalent exploitation rate standard developed for some stocks:	Postseason estimates not available. Preseason predictions of adult equivalent exploitation rates and spawner objectives were:

	Exploitation Rate	Spawner Esc.	ISBM	Exploitation Rate	Spawner Esc.	ISBM
· Nooksack spring	· 7% So U.S.	-	≤60%	5.1%		19%
· Skagit summer/fall	·50% So U.S.	-	≤60%	47.1%		32%
· Skagit spring	· 38% Total	-	≤60%	32.3%		21%
· Stillaguamish summer/fall	· 15% So U.S.	-	≤60%	14.8%		14%
· Snohomish summer/fall	· 15% So U.S.	-	≤60%	12.9%		17%
· Lake Wash. summer/fall	· 15% pre-term SUS	-	≤60%	7.3%		39%
· White River spring	· 20% pre-term SUS	-	-	15.9%		
· Green River summer/fall	· 15% pre-term SUS	5,800	≤60%	7.3%		38%
· Puyallup summer/fall	· 50% Total		-	48.6%		
· Nisqually summer/fall	· NA	1,100	-	-	1,928	
· Skokomish summer/fall	· 15% pre-term SUS	1,200	-	8.3%	1,207	
· Mid-Hood Canal fall	· 12% pre-term SUS.	-	-	8.3%		
· Dungeness spring	· 10% So US	-	-	2.7%		
· Elwha summer/fall	· 10% So US	-	-	2.8%		

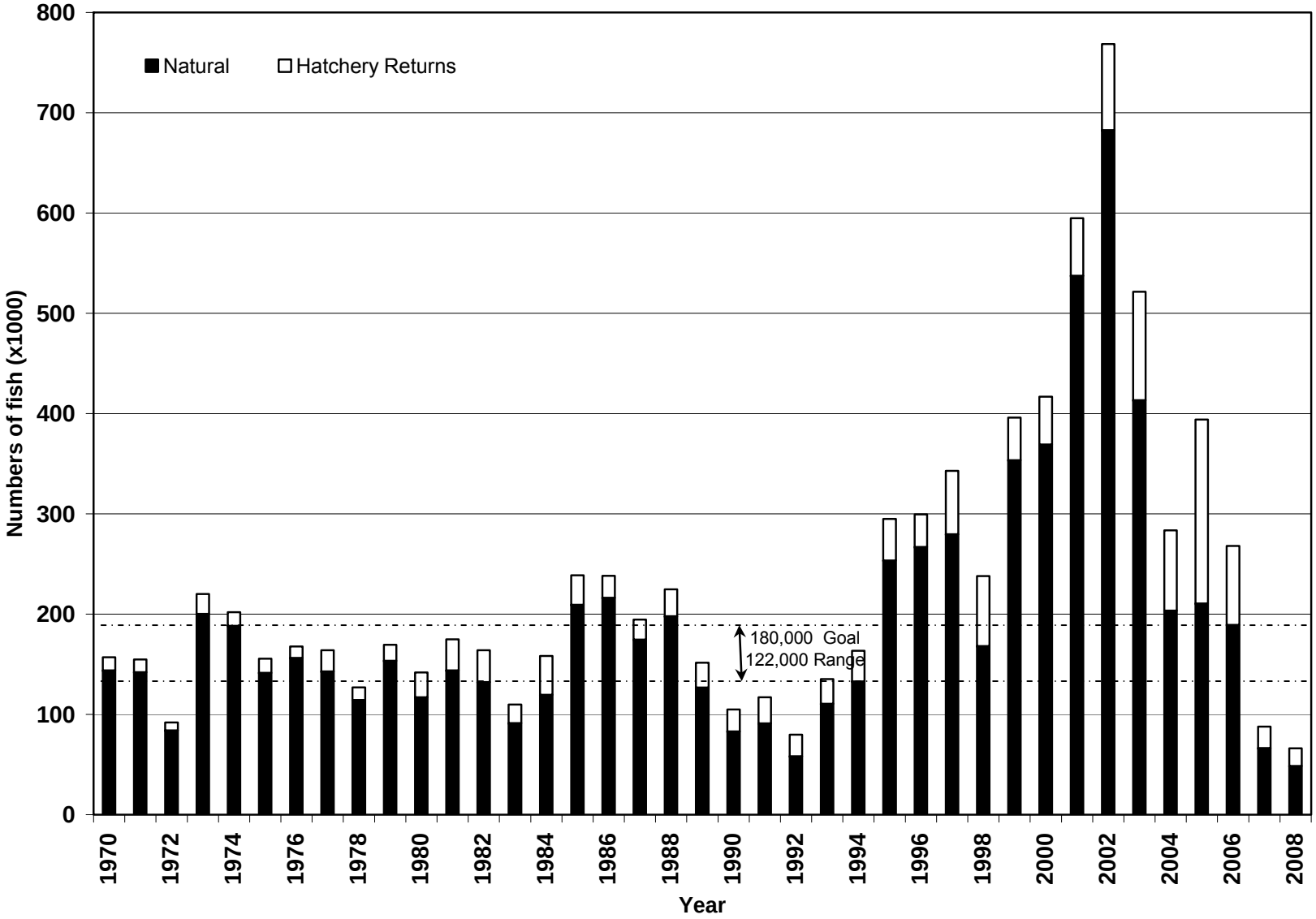

Figure II-1. Sacramento River adult fall Chinook spawning escapements, 1970-2008.

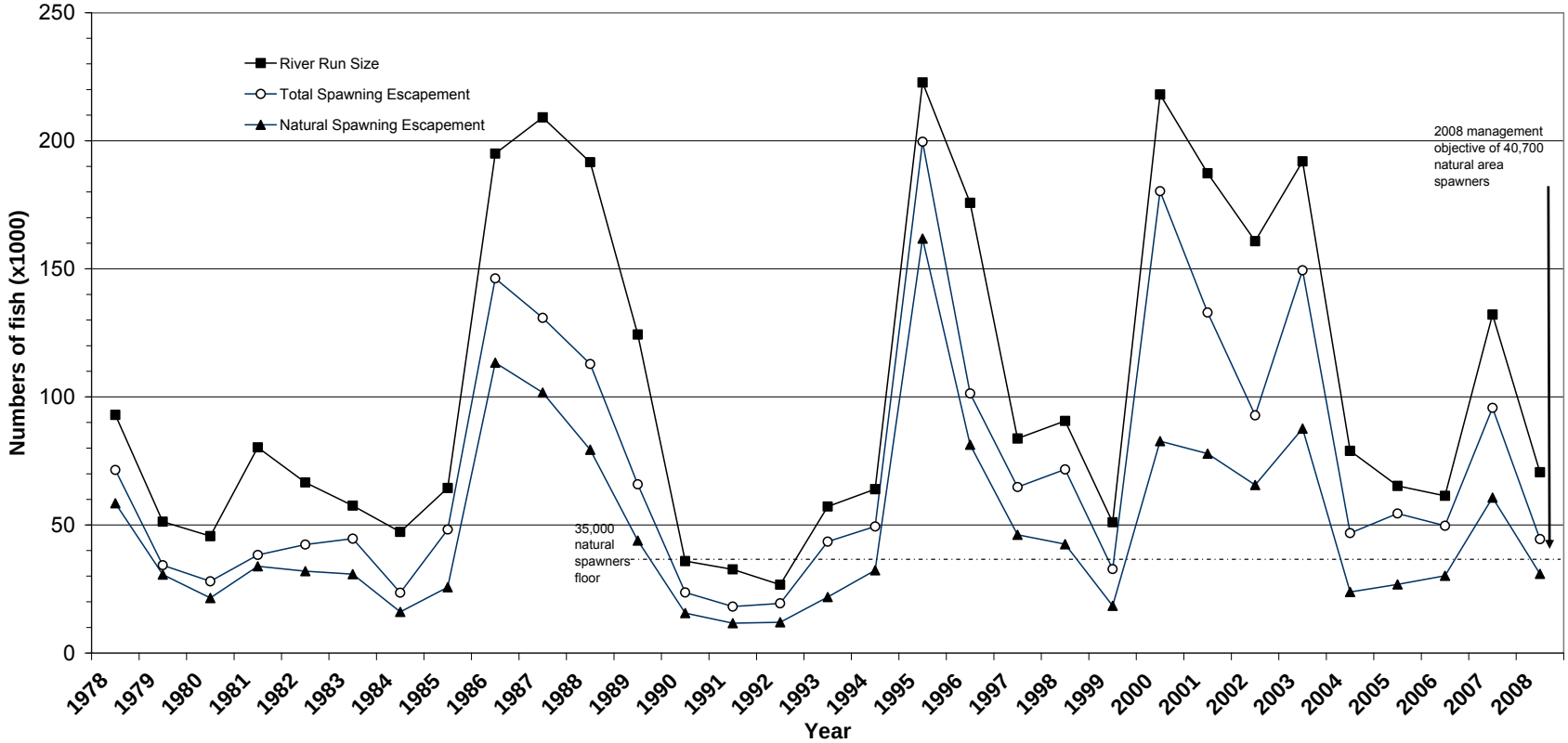

Figure II-2. Klamath River adult fall Chinook returns and spawning escapements, 1978-2008.

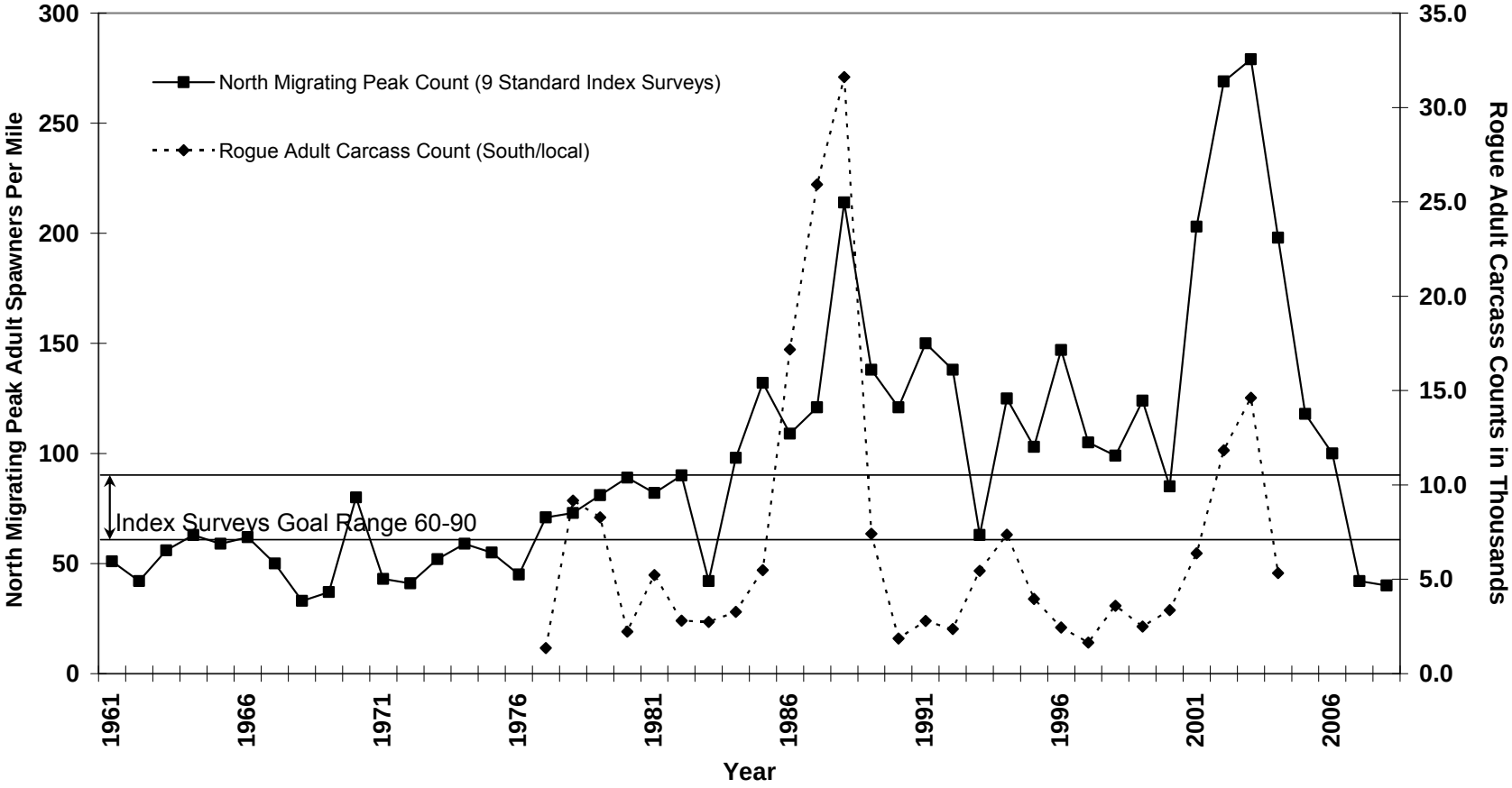

Figure II-3. Spawner indices for naturally produced Oregon coastal fall Chinook, 1961-2008.

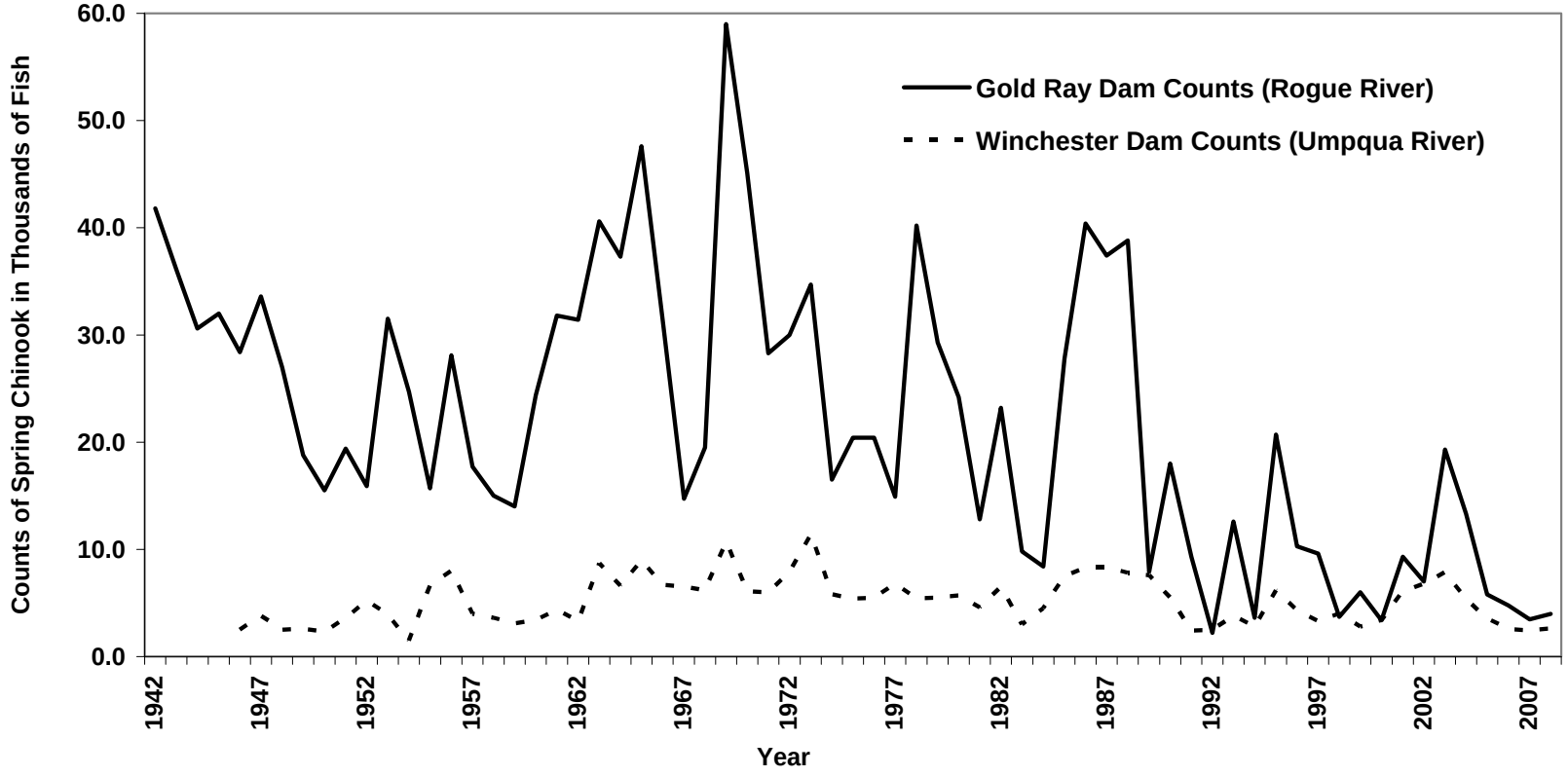

Figure II-4. Escapement indices for naturally produced Oregon coastal south/local migrating spring Chinook, 1942-2008.

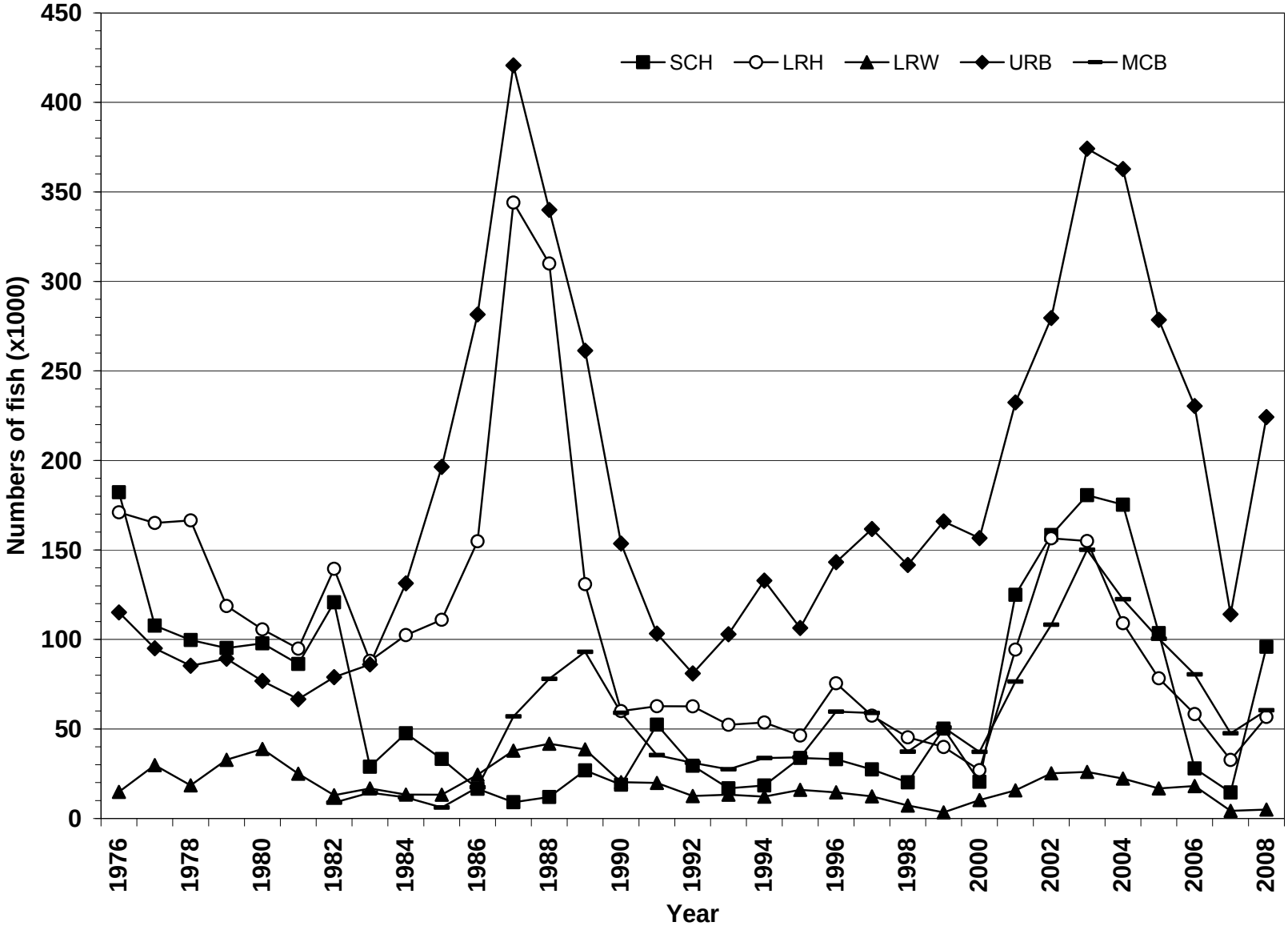

Figure II-5. Columbia River mouth adult returns of the five major fall Chinook stock groups, 1976-2008.

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CHAPTER III

COHO SALMON MANAGEMENT

OREGON PRODUCTION INDEX AREA COHO STOCKS

Oregon Production Index (OPI) area coho stocks include all Washington, Oregon, and California natural and hatchery stocks from streams south of Leadbetter Point, Washington, although stocks produced north of Leadbetter Point are also intercepted in the OPI area. The largest naturally produced coho stock is OCN coho, which includes coho produced from Oregon river and lake systems south of the Columbia River. OCN coho are managed as a stock aggregate with four identified components. NMFS listed three coho ESUs within the OPI area as threatened: CCC coho listed October 1996, SONCC coho listed May 1997, and OCN coho listed August 1998. In 2002, NMFS began an update of all its listing determinations and in January of 2006 concluded that the OCN ESU did not warrant listing under the ESA. That determination was overruled by a U.S. Court decision in 2007, and subsequently relisted by NMFS as threatened in February 2008. Columbia River natural coho were listed as endangered under the Oregon State ESA in 2002, and as threatened under the Federal ESA on June 28, 2005. The primary hatchery stocks include a south migrating Columbia River (early) stock, a north migrating Columbia River (late) stock, public hatchery coho from the Oregon and northern California Coast, and a small cooperative program along the southern Oregon Coast known as the Salmon Trout Enhancement Program (STEP).

Management Objectives

In establishing ocean salmon fisheries that impact OPI area coho stocks, the Council was guided by the reasonable and prudent alternatives of NMFS 1999 Supplemental Biological Opinion and Incidental Take Statement for CCC and SONCC coho and the February 2008 NMFS ESA guidance letter for LCR natural and OCN coho, which required:

1. No directed coho fisheries or retention of coho in all commercial and recreational fisheries off California to protect threatened CCC coho.

2. Marine fishery impacts on threatened CCC and SONCC coho must be no more than 13.0 percent as indicated by projected impacts on RK hatchery coho.

3. Fishery impacts on threatened LCN coho must not exceed a coastwide marine and mainstem Columbia River exploitation rate of 8.0 percent.

4. Fishery impacts on threatened OCN coho must not exceed a coastwide marine and freshwater exploitation rate of 8.0 percent.

Based on parent escapement levels and observed OPI smolt-to-jack survival for 2005 brood OPI smolts, the total allowable OCN coho exploitation rate for 2008 fisheries was no greater than 15.0 percent under the Salmon FMP (Amendment 13) and no greater than 8.0 percent under the matrix developed by the OCN work group during their review of Amendment 13. The work group recommendation was accepted by the Council as expert biological advice in November 2000.

The Council was also guided by a treaty Indian/non-Indian sharing agreement for Columbia upriver coho stocks, which required passage of 50 percent of the run destined for areas above Bonneville Dam.

Regulations to Achieve Objectives

Historically, OPI area coho stocks contributed primarily to ocean fisheries off Oregon and northern California and, to a lesser degree, Washington and B.C. The Council prohibited retention of coho in all fisheries south of the Oregon/California border, and adopted seasons the STT projected would result in exploitation rates of 1.0 percent for RK coho in marine fisheries, 6.9 percent for OCN coho in marine and freshwater fisheries combined, and 6.0 percent for LCN coho in marine fisheries.

Commercial Troll

Commercial troll fisheries had been closed to coho retention south of Cape Falcon since 1993 with the exception of a limited fishery in 2007. Chinook fishery closures and gear restrictions (four-spread requirement) were also used to reduce coho impacts.

Non-Indian commercial troll fisheries from Cape Falcon to the U.S./Canada border in 2008 had an overall quota of 3,000 coho (4,000 preseason minus 1,000 in trade to the recreational fishery north of Cape Falcon; Table I-1). The fisheries were restricted to mark-selective coho retention.

All species treaty Indian fisheries north of Cape Falcon were not restricted to mark-selective retention of coho, and operated on an overall quota of 20,000 coho (Table I-2).

Recreational

Retention of coho has been limited in the recreational fisheries south of Cape Falcon since 1993. Retention of coho has been prohibited off California since 1996 to protect ESA listed CCC coho. All coho directed recreational fisheries in the OPI area have been mark-selective since 1998. Adequate abundance of marked coho in the OPI area has resulted in allowable harvests of marked coho in Oregon and Washington within constraints for OCN and LCN coho. In 2008, recreational coho fisheries north of Cape Falcon operated with quotas of 2,060 in the Neah Bay area (plus an additional 4,000 for the Area 4B add-on coho fishery), 540 in the La Push area, 7,520 in the Westport area, and 11,380 in the Columbia River area (10,180 preseason plus 1,000 in trade from the non-Indian commercial fishery, plus 200 differential in incidental mortality between commercial and recreational fisheries; Table I-3). The recreational fishery between Cape Falcon and the OR/CA border operated with a quota of 9,000 (Table I-3).

Inside Harvest

Coho retention in all California fisheries was prohibited.

The 2008 inside recreational harvest of coho in Oregon coastal streams, as in recent years, was very restricted and generally limited to areas where surplus hatchery coho returns were expected. Estimates of the 2008 inriver recreational coho harvest were not available. Historical estimates of the recreational harvest of adult coho in Oregon coastal estuaries and rivers, derived from ODFW salmon and steelhead angler catch record cards, are reported in Table III-1.

A limited fishery for naturally-produced coho was approved in Siltcoos and Tahkenitch Lakes. The recreational fishery opened October 1 and closed December 31 as scheduled. The final catch estimates were similar to the previous 3-year average of 300 adults. The 2008 catch estimates were 195 adults in the Siltcoos Lake fishery and 70 adults in the Tahkenitch Lake fishery.

The 2008 Columbia River non-Indian commercial gillnet fishery harvested 60,400 adult coho, compared to 40,300 coho in 2007. Select Area fisheries in both Oregon and Washington accounted for 47,300 of the total 2008 Columbia River commercial coho catch. The Columbia River treaty Indian mainstem commercial gillnet coho catch was approximately 21,600 fish, compared to the 2007 catch of 8,000 coho.

All Columbia River coho commercial fisheries were non-mark-selective. Coho harvest statistics for Columbia River commercial and recreational fisheries are presented in Appendix B, Table B-21.

The Buoy 10 and mainstem recreational fisheries below Bonneville Dam harvested 10,800 adult coho compared to 9,200 adult coho in 2007. In 2008, Columbia River managers opened the Buoy 10 fishery August 1 for adipose fin-clipped coho. The fishery ran through August 30 with the upriver boundary at the Tongue Point, Oregon to Rocky Point, Washington line. The 2008 Buoy 10 harvest and effort totaled 8,573 coho and 32,467 angler trips (Table III-2). All Columbia River recreational fisheries were mark-selective for coho. Historical Buoy 10 catch and effort data are provided in Appendix B, Table B-22. Recreational coho harvest estimates for Columbia River tributaries were not available.

Escapement and Management Performance

The overall abundance estimate for OPI area stocks in 2008 was 736,300 compared to 536,600 in 2007 similar to the ten-year average of 770,600 (Table III-3; Figure III-1).

Central California Coast and Northern California Coho

For CCC coho, redd counts have been made for the Lagunitas Creek basin since 1995 and are reported in Table B-7. Twenty four redds were counted as of January 15, 2009, currently the lowest on record. However, the spawning season for this watershed may not be complete and the final redd count may change. Estimates were available for escapement to Klamath River Basin hatcheries, but not for coho spawning in natural areas. In 2008, a total of 4,539 coho returned to Trinity River Hatchery and 1,278 coho returned to Iron Gate Hatchery. These values compare to a combined goal of 2,000 adults.

Oregon Coast Natural Coho

The preliminary estimate of natural spawner escapement in 2008 to Oregon coastal river and lake systems from the Coquille River north (Oregon coast ESU) was 165,300 adult coho by SRS accounting. This compares to 66,100 adults in 2007. Historical spawner escapement estimates of naturally produced coho are reported in Table III-1 and have been adjusted to reflect SRS accounting.

Preliminary information, based on SRS surveys, indicate the highest total natural spawning population on the Oregon coast since 2005. The estimate of the natural spawning population in 2008 was 165,700, including estimates from the Rogue River, which is part of the SONCC ESU (Table III-4, Figure III-2).

Preliminary postseason estimates of combined marine and freshwater exploitation on OCN coho was 3.3 percent, less than the preseason projection of 6.9 percent, and well below the 8.0 percent maximum allowed under the FMP and the OCN work group matrix. Preliminary postseason estimates of marine exploitation on RK coho was 1.6 percent, slightly greater than the preseason projection of 1.0 percent, and well below the 13.0 percent maximum ESA consultation standard.

Oregon Coastal Hatchery Coho

Preliminary estimates of total coho returns to Oregon coastal public hatcheries and STEP smolt production facilities were 6,400 adults (Table III-1). Hatchery egg-take goals were expected to be met at all public hatchery stations.

Columbia River Coho

The 2008 ocean escapement of adult early and late Columbia River coho stocks was 471,700 fish, compared to 333,400 adults in 2007 (Appendix B, Table B-21). The 2008 Columbia River coho abundance was sufficient to meet all hatchery brood stock escapement needs.

Preliminary postseason estimates of marine exploitation on LCN coho was 3.6 percent, less than the preseason projected 6.0 percent.

WASHINGTON COASTAL COHO STOCKS

Washington coastal coho stocks include all natural and hatchery stocks originating in Washington coastal streams north of the Columbia River through the western Strait of Juan de Fuca (west of the Elwha River, inclusive). The stocks in this group most pertinent to ocean salmon fishery management were Willapa Bay (hatchery), Grays Harbor, Quinault (hatchery), Queets, Hoh, and Quillayute coho.

Management Objectives

Management goals for Grays Harbor and Olympic Peninsula coho stocks included achieving natural spawning escapement objectives and treaty Indian allocation requirements. The Council's conservation objectives for stocks managed for natural production were based on maximum sustainable yield (MSY) spawner escapements established pursuant to the U.S. District Court order in *Hoh* versus *Baldrige*. The conservation objectives for the Queets, Hoh, and Quillayute rivers were developed as ranges intended to bracket estimates of MSY escapement. The range reflects the degree of uncertainty inherent by using the high estimate of recruits-per-spawner and the low estimate of carrying capacity for the lower bound, and the low estimate of recruits-per-spawner and the high estimate of smolt carrying capacity for the upper end of the range. Annual targets for natural spawning escapement and total escapement were established by WDFW and treaty Indian tribes under the provisions of *U.S.* versus *Washington* and subsequent U.S. District Court orders. After the annual agreement was reached, ocean fishery escapement objectives were established for each river, or region of origin. The agreement includes provisions for treaty Indian allocation requirements and inside non-Indian fishery needs.

Regulations to Achieve Objectives

Washington coastal coho stocks contribute primarily to ocean fisheries off Washington and B.C. Those stocks did not play a primary role in 2008 Council area ocean fishery management because of impact constraints on Interior Fraser (Thompson River, B.C.) and LCN coho stocks, and treaty Indian/non-Indian in-river sharing of Columbia upriver coho. Overall harvest quotas were limited to levels well below those of the late 1980s and early 1990s. All non-Indian ocean coho fisheries north of Cape Falcon were mark-selective. Treaty Indian fisheries were not mark-selective.

Willapa Bay Coho

Inside Harvest

Historical terminal run size, harvest and escapement data for Willapa Bay coho are presented in Appendix B, Table B-24. The gillnet catch of coho in Willapa Bay in 2008 totaled 16,699 fish. Based on the preseason forecast for a terminal run of 54,950 fish, the scheduled commercial fisheries were expected to harvest approximately 18,682 total coho.

From July 1, 2008 through July 31, 2008, Willapa Bay (Marine Area 2-1) was open for recreational fishing, concurrent with the Ocean Marine Area 2 (ocean rules applied). August 1, 2008 through August 15, 2008 Willapa Bay was open to recreational fishing with a daily-bag-limit of six salmon with no more

than two adults, and barbed hooks were allowed. August 16, 2008 through January 31, 2009, Willapa Bay was open to recreational fishing with a daily-bag-limit of six salmon, no more than three adults, of which only two could be Chinook. Chum retention was allowed. Barbed hooks were allowed when fishing for salmon. Expected harvest in recreational fisheries based on preseason forecast abundance was 1,680. Marine and freshwater recreational harvest estimates were not available for 2008, but for 2007, Marine Area 2-1 and freshwater recreational harvest estimates totaled 955 fish.

Freshwater recreational fisheries in the Willapa Bay watersheds varied in duration but were generally open for salmon fishing from August 1, 2008 through January 31, 2009 with a daily-bag-limit of six salmon, and either no more than two or three adults, one of which could be an unmarked adult coho. The Naselle River was the only system to have no retention of unmarked coho. Chum retention was allowed.

Escapement and Management Performance

Willapa Bay coho were managed primarily for natural production. Estimates of natural spawning escapement for 2008 were not available. The most recent but still preliminary natural escapement estimate available was 13,723 in 2007. Escapement to Willapa Bay hatcheries in 2007 was estimated at 9,513 coho, which met the WDFW escapement objective of 6,100 spawners.

Grays Harbor Coho

Inside Harvest

Historical terminal run size, harvest and escapement data for Grays Harbor coho are presented in Appendix B, Table B-26. The run size forecast for Grays Harbor coho, after accounting for ocean fishery impacts, was 88,371 fish (41,615 natural and 46,756 hatchery). 17,905 coho (natural, hatchery, and net-pen origin) were harvested in treaty Indian and non-Indian gillnet fisheries. This included 10,122 coho in the Quinault Indian Nation fisheries, 7,783 in the non-Indian gillnet fishery, and small numbers in the Chehalis tribal fishery.

Recreational harvest estimates for 2008 were not available. Marine Area 2.2 was open from September 16 through November 30 for two adult salmon daily, one of which could be an unmarked adult coho, with no Chinook or chum retention. Marine Area 2.2 was only open east of a line drawn from the mouth of O'Leary Creek to Buoy 35, then to the westernmost tip of Moon Island.

The Chehalis River and its tributaries were open for coho fishing on the following dates and areas, with a bag limit of two adult coho with no Chinook or chum retention:

- September 16-30 downstream of the bridge crossing at the town of Porter and closed to fishing for salmon upstream of Lakeside Industries Tower (approximately 1 ½ miles upstream of Hwy 101 Bridge) in Aberdeen. No more than one retained coho could be unmarked.
- October 1 through October 15, 2008 from the mouth of the Chehalis River to the high bridge on Weyerhaeuser 1000 line approximately 400 yards downstream of Roger Creek. No more than one adult coho could be unmarked.
- October 16, 2008 through January 31, 2009 from the mouth of the Chehalis River to the high bridge on Weyerhaeuser 1000 line approximately 400 yards downstream of Roger Creek. No unmarked coho could be retained.

The Humptulips River recreational fishery from the mouth to the Hwy 101 Bridge was open October 1 through January 31, 2009 for retention of up to two marked adult coho, with no retention of adult Chinook, unmarked coho or chum. Bait was prohibited from October 1-15.

The Quinault Indian Nation operated two separately scheduled gillnet fisheries for Chinook, coho, and chum in the area of the Lower Humptulips and in the area of the Lower Chehalis, as described in Chapter II under the section labeled Grays Harbor Chinook. The expected coho fishery impacts were limited by the expected abundance and harvest of Chinook in the Lower Chehalis side of the fishery and by the expected abundance and harvest of natural coho in the Lower Humptulips side of the fishery. The Humptulips area fishery harvested 4,629 coho, while the Chehalis area fishery harvested 5,493 coho. Harvest levels on the Humptulips fishery were 33 percent over pre-season expected levels while the Chehalis fishery harvest was only 63 percent of pre-season expected levels.

Escapement and Management Performance

Grays Harbor coho were managed for natural production with a spawning escapement goal of 35,400. Natural spawning escapement estimates for 2006 and 2007 were 14,539 and 24,269, respectively. The escapement estimate for 2008 Grays Harbor coho was not available; failure to achieve the escapement objective in 2008 could trigger an Overfishing Concern under the terms of the Salmon FMP.

Quinault River Coho

Inside Harvest

Historical terminal run size, harvest, and escapement for Quinault River coho are presented in Appendix B, Table B-28. The treaty Indian gillnet fishery targeted hatchery Chinook and coho from early September through mid-November. A total of 25,185 coho were harvested by the gillnet fishery in 2008.

Escapement and Management Performance

Quinault River coho were managed for hatchery production. Escapement estimates for Quinault River coho in 2008 were not available. The Quinault National Fish Hatchery egg-take objectives for 2008 were achieved.

Queets River Coho

Inside Harvest

Historical terminal run size, harvest, and escapement for Queets River coho are presented in Appendix B, Table B-31. Queets River fisheries were managed under preseason agreement with WDFW based on preseason abundance estimates and planned Council ocean fisheries. The treaty Indian gillnet fishery was structured to target returning hatchery and natural coho during September and early October while being closed after October 13th to limit Chinook catch. The total harvest of fall coho in the gillnet fishery was 4,667 commercially landed fish, slightly above the expected preseason catch of 3,823. The gillnet harvest was comprised of a mix of early-timed hatchery fish and normally later-timed wild fish. The hatchery/natural mix in the catch was not determined. Recreational fisheries operated with standard bag limits for coho (no mark selective restriction) and a standard schedule in the Queets, Clearwater, and Salmon Rivers, while Chinook retention was prohibited. A 2008 catch estimate was not available.

Escapement and Management Performance

The 2008 natural escapement was not available, but the tribal catch through October 13 suggests the escapement may be close to the preseason forecast. The preliminary natural coho escapement estimate for 2008 based on the pre-season effort model was 7,354, with an escapement objective range of 5,800 to 14,500 natural coho. Spawning escapement in 2006 and 2007 were less than the objective; therefore, failure to achieve the escapement objective in 2008 could trigger an Overfishing Concern under the terms of the Salmon FMP. Releases of supplemental coho were discontinued after 2004 so there were no returns of those fish in 2008.

Hoh River Coho

Inside Harvest

Historical terminal run size, catch, and escapement data for Hoh River coho are presented in Appendix B, Table B-34. The terminal run size of Hoh River natural coho was projected to be 3,887. The treaty Indian gillnet fishery occurred from the week of September 1 to the week of November 30, as described in Chapter II under the section labeled Hoh River Chinook. The tribal fishery took approximately 1,792 coho, with 1,639 estimated to be natural, including dip-in natural fish. The non-Indian recreational fishery extended from September 1 through November 30, with the area below Willoughby Creek open and a daily-bag-limit of six salmon, two of which could be adults and no mark selective coho restriction. The portion of the river between Willoughby Creek and Morgan's Crossing opened October 16 to reduce impacts on spawning spring/summer Chinook in that reach. The river above Morgan's Crossing did not open for recreational salmon fishing. A catch estimate for the recreational fishery was not available.

Escapement and Management Performance

The preliminary spawning escapement estimate for natural coho in the Hoh River was 2,378, which was within the escapement goal range of 2,000 to 5,000 established for this stock.

Quillayute River Coho

Inside Harvest

Historical terminal run size, catch, and escapement data for Quillayute River summer and fall coho are presented in Appendix B, Table B-37. The recreational and tribal fisheries for coho were established by preseason agreement between WDFW and the Quileute Tribe. A total of 1,376 (304 natural) summer coho were harvested in the Quileute Tribe's commercial and ceremonial and subsistence fisheries. An estimate of the 2008 recreational catch was not available. The Quileute Tribal harvest of fall coho for 2008 was 15,962 (including ceremonial and subsistence catch). Tribal net fisheries harvested approximately 6,116 natural fall coho. An estimate of the 2008 recreational catch was not available.

WDFW reduced the impacts of the recreational fishery on natural summer and fall coho by requiring mark-selective fisheries for coho through October. The Quileute Tribe did not have a closure in their fishery this year, but as in past years, reduced their fishery to 29 hours per week during July and August.

Escapement and Management Performance

The summer coho run in the Quillayute is managed primarily for its hatchery component, which returns in August and September. The summer coho rack return was 6,495. This is well above the goal of 300. An additional 20 natural summer coho were collected as broodstock. The preliminary estimate for natural summer coho escapement was 574. The preliminary 2008 escapement estimate for natural fall coho was 6,358, which was just above the escapement goal of 6,300 to 15,800 established for this stock.

PUGET SOUND COHO STOCKS

Puget Sound coho salmon stocks include natural and hatchery stocks originating from U.S. tributaries in Puget Sound and the eastern Strait of Juan de Fuca (east of Salt Creek, inclusive). The primary stocks in this group that are most pertinent to ocean salmon fishery management were eastern Strait of Juan de Fuca, Hood Canal, Skagit, Stillaguamish, Snohomish, and South Puget Sound (hatchery) coho.

Management Objectives

The Council's conservation objectives were based on the Puget Sound Salmon Management Plan, which defined management objectives and long-term goals for these stocks as developed by representatives from

Federal, state, and tribal agencies. Conservation objectives for specific stocks were based on either maximum sustainable production for stocks managed primarily for natural production or on hatchery escapement needs for stocks managed for artificial production. The original conservation objectives were developed by a State/Tribal Management Plan Development Team following the Boldt Decision with the goal for natural spawning stocks defined as "the adult spawning population that will, on the average, maximize biomass of juvenile outmigrants subsequent to incubation and freshwater rearing under average environmental conditions." The methodology used to develop the objectives was based on assessment of the quantity and quality of rearing habitat and the number of adult spawners required to fully seed the habitat. Some objectives have subsequently been modified by the U.S. District Court Fisheries Advisory Board and later determinations of the WDFW/Tribal Technical Committee. Annual escapement targets for these coho stocks were developed through procedures established in U.S. District Court. Puget Sound management procedures are outlined in a "Memorandum Adopting Salmon Management Plan" (*U.S.* versus *Washington*, 626 F. Supp. 1405 [1985]). A transition to exploitation rate management is currently under consideration by the involved managers.

The PSC adopted a management plan for coho salmon originating in Washington and southern B.C. river systems in 2002. The plan was directed at the conservation of key management units, four from southern B.C. (Interior Fraser, Lower Fraser, Strait of Georgia Mainland, Strait of Georgia Vancouver Island) and nine from Washington (Skagit, Stillaguamish, Snohomish, Hood Canal, Strait of Juan de Fuca, Quillayute, Hoh, Queets, and Grays Harbor). Under the plan, the United States and Canada were required to constrain total fishery exploitation rates to levels associated with the categorical status and target exploitation rates of the key management units as determined by domestic managers. Ceilings on exploitation rates by intercepting fisheries were established through formulas specified in the plan. Categorical status was employed by the PST under the 2002 Coho Agreement to indicate general ranges of allowable total exploitation rates for U.S. and Canadian coho management units in 2008. Three categories were employed: low (total exploitation rate <20 percent), moderate (total exploitation rate 20 percent to 40 percent), and abundant (total exploitation rate >40 percent). In 2008, the total exploitation rate objective for Hood Canal coho was limited to no more than 45 percent. The preseason predicted total exploitation rate on this stock was 44.7 percent (3.0 percent in Council area fisheries). Council area fisheries were constrained by other stocks in 2008, including Interior Fraser and LCN coho. Inside fisheries however, primarily in Puget Sound, were constrained to meet PSC objectives for Hood Canal coho.

Regulations to Achieve Objectives

Puget Sound coho stocks contribute primarily to ocean fisheries off Washington and B.C. Those stocks did not play a primary role in 2008 ocean fishery management considerations, since management of impacts to Interior Fraser (Thompson River, B.C. Canada) and Columbia River stocks were more constraining. The mark-selective regulations in ocean and Puget Sound recreational fisheries served to increase harvest of marked hatchery fish while minimizing impacts on natural Puget Sound coho, LCN coho, OCN coho, and Interior Fraser coho.

Inside Harvest

Commercial inside harvest of Puget Sound coho was managed on the basis of six regional management units: Strait of Juan de Fuca, Nooksack-Samish, Skagit, Stillaguamish-Snohomish, South Puget Sound, and Hood Canal. Harvest of coho for each management unit is regulated according to the natural spawning escapement or hatchery program escapement goal for that unit. Commercial net and troll harvest (treaty Indian and non-Indian) for all coho stocks combined is presented in Appendix B, Table B-38. The 2008 total Puget Sound commercial catch of coho was 211,431 fish, compared to a catch of 226,360 coho in 2007. Non-Indian harvest was 6,448 coho, compared to a catch of 13,435 coho in 2007.

Treaty Indian net and troll fisheries harvested 204,983 coho, compared to a catch of 212,925 coho in 2007.

Historical coho catches in the Puget Sound recreational fishery for the years from 1971 through 2008 are listed in Appendix B, Table B-39. Catch estimates for the 2008 Puget Sound recreational fishery were not available.

Escapement and Management Performance

No post season estimates were available for southern U.S. inside harvest impacts on coho stocks subject to the PSC coho management plan. Preliminary escapement information indicates natural Puget Sound coho escapements were generally average or below average but actual escapement numbers were not available.

BRITISH COLUMBIA COHO STOCKS

Management Objectives

The PSC adopted a management plan for coho salmon originating in Washington and southern B.C. river systems in 2002. The plan is directed at the conservation of key management units, four from southern B.C. (Interior Fraser, Lower Fraser, Strait of Georgia Mainland, Strait of Georgia Vancouver Island) and nine from Washington (Skagit, Stillaguamish, Snohomish, Hood Canal, Strait of Juan de Fuca, Quillayute, Hoh, Queets, and Grays Harbor). Under the plan, the United States and Canada are required to constrain total fishery exploitation rates to levels associated with the categorical status and target exploitation rates of the key management units as determined by domestic managers. Ceilings on exploitation rates by intercepting fisheries were established through formulas specified in the plan. Categorical status is employed by the PST under the 2002 Coho Agreement to indicate general ranges of allowable total exploitation rates for U.S. and Canadian coho management units. Three categories are employed: low (total exploitation rate <20 percent), moderate (total exploitation rate 20 percent-40 percent), and abundant (total exploitation rate >40 percent).

Regulations to Achieve Objectives

In 2008, the "low" status of Interior Fraser coho required the total exploitation rate on this stock by all U.S. fisheries not to exceed 10.0 percent. This requirement constrained both Council area and inside fisheries. The pre-season expectation was that the total U.S. fishery exploitation rate on Interior Fraser coho would be 8.3 percent (3.1 percent in Council area fisheries). The mark-selective regulations in ocean and Puget Sound recreational fisheries served to increase harvest of marked hatchery fish while minimizing impacts on wild Interior Fraser coho.

Inside Harvest

Harvest of coho in inside waters affecting B.C. coho stocks occurred in Puget Sound fisheries, which were described in the previous section of this chapter.

Escapement and Management Performance

No post season estimates of U.S. inside harvest impacts on coho stocks subject to the PSC coho management plan were available. Preseason expectations were for an exploitation rate of 5.0 percent for inside fisheries and 0.2 percent for Alaskan fisheries on Interior Fraser coho.

COASTWIDE GOAL ASSESSMENT SUMMARY

Conservation objective achievement assessments were not available for many coho stocks; however, those that were available all met their objectives except for Grays Harbor and Queets River coho. Hood

Canal coho spawning escapement estimates were not available but the preseason expectation was for a return less than the objective. OPI and Washington coastal areas generally experienced coho returns greater than the numbers forecasted.

A summary of 2008 performance for coho salmon by stock in relation to the Council's conservation objectives is presented in Table III-5.

TABLE III-1. Estimated returns to Oregon coastal streams and lakes in thousands of adult coho (SRS spawner accounting).

Year	Returns to Hatcheries			Winchester Dam Count[c/] (North Umpqua)	Number of OCN Spawners[a/]			Inside Harvest Impacts[d/]	Ocean Escapement to Oregon Coast[a/]
	Private	Public	STEP[b/]		Lakes	Rivers	Total		
1970	-	36.2	-	0.1	20.5	51.2	71.7	39.8	147.8
1971	-	29.1	-	0.4	29.2	65.6	94.8	24.1	148.4
1972	-	12.9	-	0.3	10.0	24.1	34.1	16.6	63.9
1973	-	18.4	-	0.4	17.6	37.8	55.4	15.4	89.6
1974	-	35.1	-	0.4	6.4	28.1	34.5	13.5	83.5
1975	-	4.9	-	0.5	5.6	34.8	40.4	13.5	59.3
1976	-	38.7	-	0.3	1.5	39.2	40.7	19.6	99.3
1977	4.2	6.5	-	0.4	5.8	13.7	19.5	13.5	44.1
1978	12.3	5.6	-	0.5	1.6	18.2	19.8	4.5	42.7
1979	49.2	22.2	-	0.4	6.6	38.4	45.0	1.5	118.3
1980	38.7	21.9	-	0.2	4.7	25.6	30.3	6.3	97.4
1981	117.8	21.2	-	0.1	2.5	30.1	32.6	9.9	181.6
1982	184.7	14.8	-	2.7	7.9	68.3	76.2	14.7	293.1
1983	133.9	9.5	-	1.2	3.4	19.4	22.7	6.8	174.2
1984	115.4	28.6	-	3.2	14.8	59.7	74.4	17.4	239.1
1985	332.0	15.8	-	4.0	7.6	66.3	73.9	15.7	441.4
1986	453.7	35.8	2.5	9.6	11.8	58.2	70.0	30.3	601.8
1987	119.3	12.3	0.2	2.1	4.2	25.9	30.1	7.7	171.7
1988	116.1	33.7	1.2	1.2	5.8	51.0	56.8	13.3	222.3
1989	46.9	37.3	1.2	3.0	4.8	41.6	46.4	15.1	149.9
1990	35.6	15.5	1.6	1.9	4.4	16.9	20.9	9.5	85.4
1991	35.1	39.6	4.9	3.9	7.3	30.4	37.6	31.5	152.6
1992	-	23.3	0.6	5.0	2.0	40.2	42.2	18.7	89.9
1993	-	20.2	2.0	2.3	10.1	45.2	55.3	13.3	93.2
1994	-	23.4	1.8	2.0	5.8	38.3	44.2	2.4	73.8
1995	-	25.2	0.4	2.7	11.2	42.8	54.0	3.6	85.8
1996	-	23.4	1.0	5.1	13.5	60.5	74.0	4.0	107.6
1997	-	17.7	0.2	2.2	8.6	14.8	23.4	4.3	47.8
1998	-	15.3	0.2	4.6	11.1	20.9	32.0	5.2	57.2
1999	-	13.3	0.4	3.3	12.7	36.4	49.1	2.8	69.0
2000	-	15.0	0.5	9.7	12.7	57.4	70.1	4.5	99.7
2001	-	37.4	1.4	16.0	19.7	152.9	172.6	10.1	237.5
2002	-	30.9	2.6	7.4	22.2	238.4	260.6	8.1	309.5
2003	-	15.9	3.6	10.7	16.7	211.9	228.6	6.7	265.5
2004	-	13.2	0.8	7.2	18.7	156.7	175.4	6.3	202.8
2005	-	10.0	0.3	8.9	14.7	139.4	154.1	5.9	179.2
2006	-	9.8	0.1	7.0	24.4	104.5	128.8	2.3	148.1
2007	-	3.6	0.0	2.7	8.9	57.2	66.1	1.3	73.8
2008[e/]	-	6.4	0.0	0.2	23.6	141.8	165.3	2.6	174.5

a/ Does not include estimates for the southern OCN component (Rogue River). Spawner escapements to rivers prior to 1990 were estimated by a nonrandom standard index of streams north of the Rogue River. A total coastwide spawner escapement methodology based on SRS was initiated in 1990 and implemented concurrently with the standard index methodology. The SRS methodology indicated that actual escapements were less than estimated by the standard rivers index. The spawner index data for years prior to 1990 have been recalibrated in this table to be comparable with the SRS estimates.

b/ Oregon coastal Salmon Trout Enhancement Program (STEP) production from hatchery smolt rearing sites only.

c/ Natural and hatchery fish prior to 1990, unmarked fish only thereafter.

d/ Freshwater sport catch from ODFW salmon/steelhead angler tag information and represents only those fish greater than 24 inches. Includes estimated mortality from hook-and-release.

e/ Preliminary.

TABLE III-2. Estimated weekly effort (in angler trips) and catches of Chinook and coho in the 2008 Buoy 10 recreational fisheries (all data are preliminary).[a/]

Week Number	Ending Date of Period	Angler Trips	Catch		Catch Per Trip
			Chinook	Coho	
31	Aug.-3	483	2	0	0.00
32	Aug.-10	1,042	135	0	0.13
33	Aug.-17	6,342	2,836	390	0.51
34	Aug.-24	15,683	5,364	2,496	0.50
35	Aug.-31	8,917	12	5,687	0.64
36	Sept.-7	-	-	-	-
37	Sept.-14	-	-	-	-
38	Sept.-21	-	-	-	-
39	Sept.-28	-	-	-	-
40-44	Oct.-31	-	-	-	-
Total		32,467	8,349	8,573	0.52

a/ Includes boat-based and shore-based fisheries from the new (2000) upstream boundary at the Tongue Point/Rocky Point line downstream to the Buoy 10 line including Clatsop Spit, the South Jetty of the Columbia River, and the North Jetty of the Columbia River after the ocean closed. Fishery was open August 1-30 for Chinook and adipose fin-clipped coho, with the daily-bag-limit of two adult salmon, only one of which may be a Chinook, except Chinook retention was prohibited from August 25-30.

TABLE III-3. Oregon production index (OPI) area coho harvest impacts, spawning, abundance, and exploitation rate estimates by SRS accounting in thousands of fish.[a/]

	Ocean Fisheries[b/]		Oregon and California Coastal Returns						
Year or Avg.	Troll	Sport	Hatcheries and Freshwater Harvest[c/]	OCN Spawners	Private Hatcheries	Columbia River Returns	Abundance	Ocean Exploitation Rate Based on OPI Abundance[d/]	OCN Exploitation Rate Based on Postseason FRAM
1970-1975	1,629.6	558.4	45.8	55.2	-	460.4	2,749.3	0.80	-
1976-1980	1,253.6	555.0	31.2	31.1	26.1	263.3	2,154.2	0.83	-
1981-1985	451.2	274.0	37.2	56.0	176.8	305.3	1,328.6	0.60	-
1981	830.9	339.9	34.1	32.6	117.8	170.2	1,555.0	0.81	-
1982	737.2	300.4	37.1	76.2	184.7	453.1	1,763.4	0.62	-
1983	428.5	275.0	18.2	22.8	133.9	110.0	1,070.0	0.80	-
1984	94.7	174.2	51.2	74.5	115.4	425.9	881.5	0.32	-
1985	164.8	280.4	45.4	73.9	332.0	367.2	1,373.4	0.44	-
1986	638.9	320.6	79.3	70.0	453.7	1,549.1	3,026.7	0.34	-
1987	468.2	296.2	45.1	30.1	119.3	316.5	1,377.9	0.60	-
1988	844.7	297.2	61.1	56.8	116.1	670.9	1,989.2	0.57	-
1989	645.1	425.5	61.1	46.4	46.9	709.0	1,871.2	0.57	-
1990	275.9	357.1	28.7	24.3	35.6	196.7	1,128.5	0.69	-
1991	448.4	469.9	77.8	38.6	35.1	955.1	1,823.2	0.45	-
1992	67.4	256.5	51.0	44.4	-	216.1	610.0	0.51	-
1993	13.1	140.8	38.6	55.7	-	114.2	342.1	0.42	-
1994	2.7	3.0	28.1	49.6	-	169.2	250.5	0.02	0.07
1995	5.4	43.5	37.5	57.7	-	74.8	215.9	0.22	0.12
1996	7.0	31.8	45.7	78.6	-	113.0	297.3	0.14	0.08
1997	5.5	22.4	26.9	31.7	-	148.1	204.6	0.12	0.12
1998	3.5	12.8	29.4	34.3	-	168.4	265.2	0.06	0.08
1999	3.6	36.5	22.6	50.6	-	274.1	414.0	0.10	0.07
2000	25.2	74.6	33.3	81.1	-	547.6	901.0	0.13	0.07
2001	37.5	216.8	75.7	184.8	-	1,108.3	1,438.6	0.16	0.07
2002	14.9	118.7	54.0	268.4	-	499.9	990.5	0.14	0.12
2003	28.8	252.4	45.0	235.3	-	677.3	1,183.6	0.23	0.14
2004	26.2	159.4	38.1	199.9	-	442.5	826.8	0.22	0.15
2005	10.5	58.2	42.5	164.1	-	487.1	592.1	0.12	0.11
2006	4.5	47.5	29.3	132.8	-	386.4	557.1	0.09	0.06
2007	26.6	128.5	10.9	71.3	-	333.4	536.5	0.28	0.11
2008[e/]	0.6	26.4	13.5	165.7	-	471.7	736.3	0.05	0.03

a/ The OPI area includes ocean and inside harvest impacts and escapement to streams and lakes south of Leadbetter Pt., Washington.

b/ Includes estimated nonretention mortality: troll fishery--hook-and-release mortality for 1982-2005 and drop-off mortality for all years; sport fishery--hook-and-release mortality for 1994-2005 and drop-off mortality for all years.

c/ Includes returns from Salmon-Trout Enhancement Program (STEP) smolt releases.

d/ Ocean fishery impacts on private hatchery stock and returns to private hatcheries are excluded in calculating the OPI area stock aggregate ocean exploitation rate index.

e/ Preliminary.

TABLE III-4. OCN adult coho salmon conservation objective, fishery impacts, and spawner escapement, based on stratified random survey (SRS) methodology.

	Fishery Impact (Total Marine and Freshwater Exploitation Rate)			Adjusted SRS Adult Coho Spawner Population Estimates in Thousands of Spawners by Stock Component[a/]					Adult Coho Spawners Per Spawner Habitat Mile				
Year	Conservation Objective[b/]	Preseason Projection	Postseason Estimate[c/]	Northern[d/]	North Central[e/]	South Central[f/]	Southern[g/]	Coastwide	Northern[d/]	North Central[e/]	South Central[f/]	Southern[g/]	Coastwide Average
1990	-	-	-	2.2	5.6	13.5	3.1	24.3	2	5	8	7	6
1991	-	0.460	0.454	9.3	6.7	21.6	1.0	38.6	10	6	13	3	9
1992	-	0.420	0.511	2.4	15.4	24.4	2.2	44.4	3	13	15	5	11
1993	-	0.260	0.423	4.5	7.8	43.1	0.4[h/]	55.7	5	7	27	1[h/]	14
1994	≤0.20	0.111	0.068	3.5	9.8	30.9	5.4	49.6	4	8	19	13	12
1995	≤0.20	0.118	0.124	3.9	13.6	36.5	3.8	57.7	4	12	22	9	14
1996	≤0.20	0.125	0.083	3.3	18.1	52.6	4.6	78.6	4	16	32	11	19
1997	≤0.20	0.110	0.124	2.1	2.8	18.4	8.3	31.7	2	2	11	20	8
1998	≤0.13	0.119	0.078	2.6	3.3	26.1	2.3	34.3	3	3	16	6	8
1999	≤0.15	0.087	0.074	8.9	11.8	28.5	1.4	50.6	10	10	18	4	12
2000	≤0.15	0.082	0.073	17.9	14.3	37.9	11.0	81.1	20	12	23	27	20
2001	≤0.08	0.074	0.070	33.5	25.2	113.9	12.2	184.8	37	22	70	30	45
2002	≤0.15	0.123	0.120	52.5	104.0	104.1	7.8	268.4	58	89	64	19	66
2003	≤0.15	0.144	0.140	59.6	68.9	100.1	6.8	235.3	66	59	62	16	57
2004	≤0.15	0.147	0.150	33.1	40.4	101.9	24.5	199.9	37	35	63	60	49
2005	≤0.15[i/]	0.111	0.110	16.5	51.4	86.3	10.0	164.1	18	44	53	24	40
2006	≤0.15[i/]	0.096	0.059	24.1	21.2	83.5	3.9	132.8	27	18	51	10	32
2007	≤0.20	0.113	0.106	17.5	12.3	36.4	5.2	71.3	19	11	22	13	17
2008[j/]	≤0.08	0.069	0.033	27.7	57.9	79.8	0.4	165.7	31	50	49	1	40

a/ A spawner escapement methodology study based on SRS has been in effect since 1990 in which coho salmon population estimates have been made for Oregon coastal river systems from the Coquille River and north. Spawner population estimates include an adjustment for observation error.

b/ Prior to 1994, the conservation objective was expressed in terms of the total escapement of OCN spawners in index numbers rather than as an exploitation rate. The index escapement objectives from 1981 through 1993 are provided in Table III-2 of the Review of 1998 Ocean Salmon Fisheries and Table 1 of Amendment 11. From 1994 through 1997, Amendment 11 specified that at low stock sizes, only incidental harvest of OCN coho could occur and that impacts could not exceed 20%. Beginning in 1998, the OCN conservation objective has been as specified in Amendment 13 which is also the basis for the NMFS jeopardy standards under the Endangered Species Act listing.

c/ From the coho FRAM, except the estimates prior to 1994 represent the OPI composite exploitation rate for hatchery and natural stocks.

d/ Estimate based on 899 miles of spawner habitat within Nehalem, Tillamook, and Nestucca Rivers and other direct ocean tributaries from Necanicum River through Neskowin Creek.

e/ Estimate based on 1,163 miles of spawner habitat within Siletz, Yaquina, Alsea, and Siuslaw Rivers and other direct ocean tributaries from the Salmon through Siuslaw Rivers.

f/ Estimate based on 1,622 miles of spawner habitat within Umpqua, Coos, and Coquille Rivers. Also includes spawners using tributaries to Siltcoos, Tahkenitch, and Tenmile Lakes.

g/ Estimate based on a mark-recapture methodology and 410 miles of spawner habitat within the Rogue River.

h/ Unreliable estimate.

i/ The Salmon FMP specified an allowable marine and freshwater exploitation rate of 20%, however, the OCN workgroup matrix specified 15% and the Council chose to manage at the more conservative level for 2005 and 2006.

j/ Preliminary.

TABLE III-5. Performance of coho salmon stocks in relation to 2008 conservation objectives (preliminary data). (Page 1 of 2)

System and Stock	2008 FMP Conservation Objective	Achievement
OPI Area Coho		
(Columbia River and coastal stocks south of Leadbetter Point)	Natural spawner escapement objectives as provided below; meet hatchery egg-take goals; meet treaty Indian obligations.	Hatchery egg-take goals achieved. No information available on catch allocation.
Northern California (Threatened) and CCC (Threatened)	No directed coho fisheries or retention of coho south of Humbug Mt. Marine exploitation rate ≤13.0% as indicated by R/K hatchery stocks. Council adopted a projected exploitation rate on R/K hatchery coho of 1.0%.	No fisheries south of the California/Oregon border. Postseason marine exploitation rate estimate of 1.6% was below the 13.0% maximum.
OCN	Combined marine and freshwater exploitation rate ≤8.0%. Council adopted a projected exploitation rate on OCN of 6.9%	Postseason marine and freshwater exploitation rate estimate of 3.3% was below 8.0% maximum.
Columbia River Natural (Threatened)	Combined marine and mainstem Columbia River exploitation rate ≤8%. Council adopted management measures resulted in a projected marine exploitation rate of 6.0%.	A Postseason mainstem Columbia River exploitation rate estimate was not available; the postseason marine exploitation rate of 3.6% was below the 6.0% preseason expectation.
Washington Coast Coho	Natural spawner escapement objectives as provided below and in state/tribal agreements; meet hatchery egg-take goals; meet treaty Indian obligations.	Hatchery egg-take goals achieved. No information available on catch allocation.
Grays Harbor	35,400 natural adult spawners.	Escapement estimate is not yet available; pre-season projection was 41, 500.
Queets	5,800 to 14,500 natural adult spawners.	Escapement estimates is not yet available; pre-season projection was 8,900
Hoh	2,000 to 5,000 natural adult spawners.	Preliminary estimate of 2,378 is within the goal range.
Quillayute Fall	6,300 to 15,800 natural adult spawners.	Preliminary estimate of 6,358 is within the goal range.

System and Stock	2008 FMP Conservation Objective	Achievement
Puget Sound Coho	Natural spawner escapement objectives as provided below and in state/tribal agreements; meet hatchery egg-take goals; meet treaty Indian obligations and inside non-Indian fishery needs for six management units.	Data not available for 2008 natural spawner escapements. Hatchery egg-take goals likely will be met.
Strait of Juan de Fuca	≤40% total exploitation rate. 12,800 adult spawners.	Preseason expected ocean escapement of 22,000 adult fish for eastern and western Strait of Juan de Fuca combined and a 12% total exploitation rate.
Hood Canal	≤65% total exploitation rate. 21,500 natural adult spawners.	**Preseason expected ocean escapement of 21,400 adult fish and a 45% total exploitation rate.**
Skagit	≤35% total exploitation rate. 30,000 natural adult spawners.	Preseason expected ocean escapement of 51,300 adult fish and a 31% total exploitation rate.
Stillaguamish	≤50% total exploitation rate. 17,000 natural adult spawners.	Preseason expected ocean escapement of 25,500 adult fish. 38% total exploitation rate.
Snohomish	≤40% total exploitation rate. 70,000 natural adult spawners.	Preseason expected ocean escapement of 79,700 adult fish and a 34% total exploitation rate.

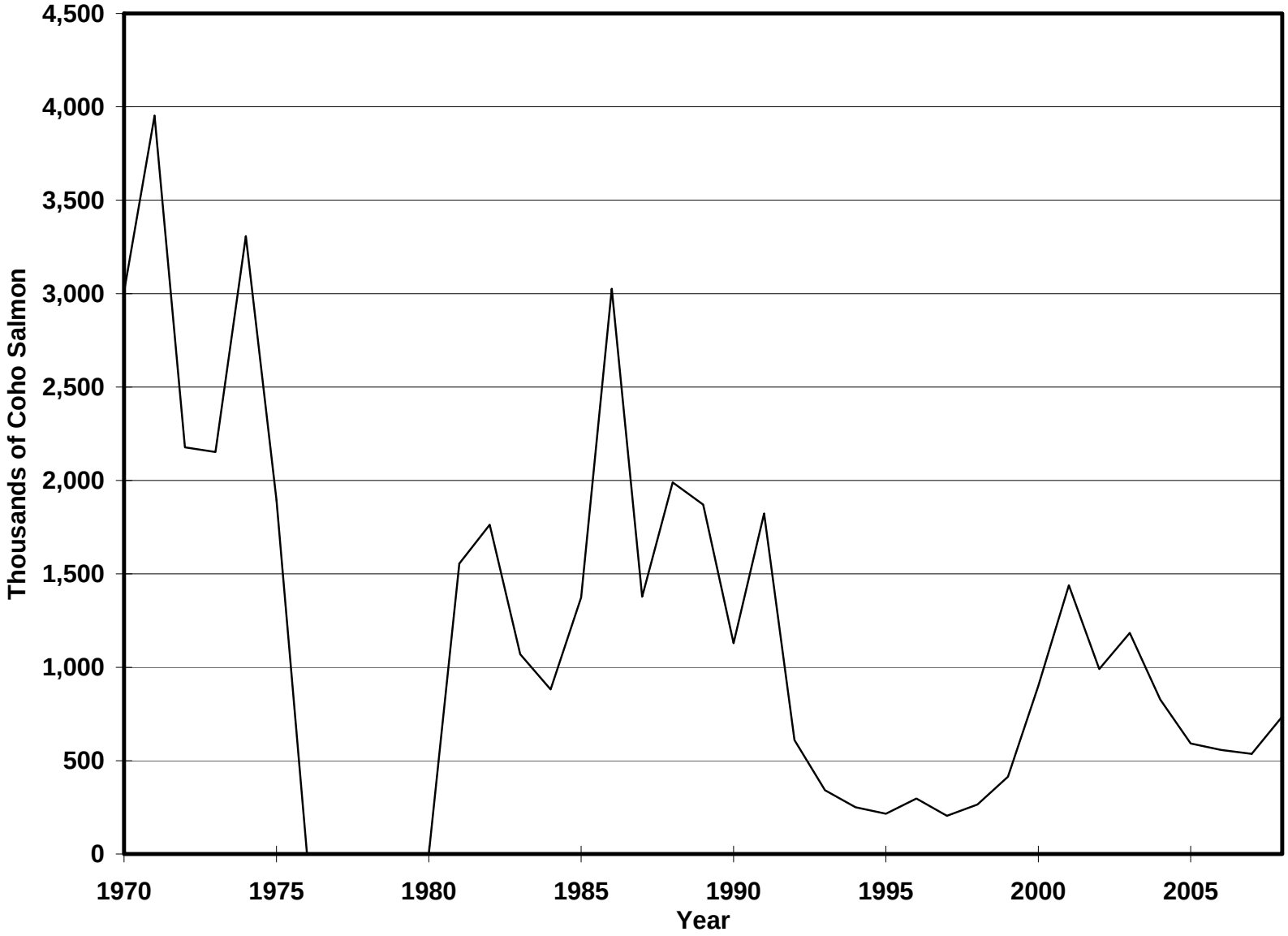

Figure III-1. Oregon Production Index (OPI) area coho abundance estimates by stratified random surveys (SRS) accounting methods (1970-2008).

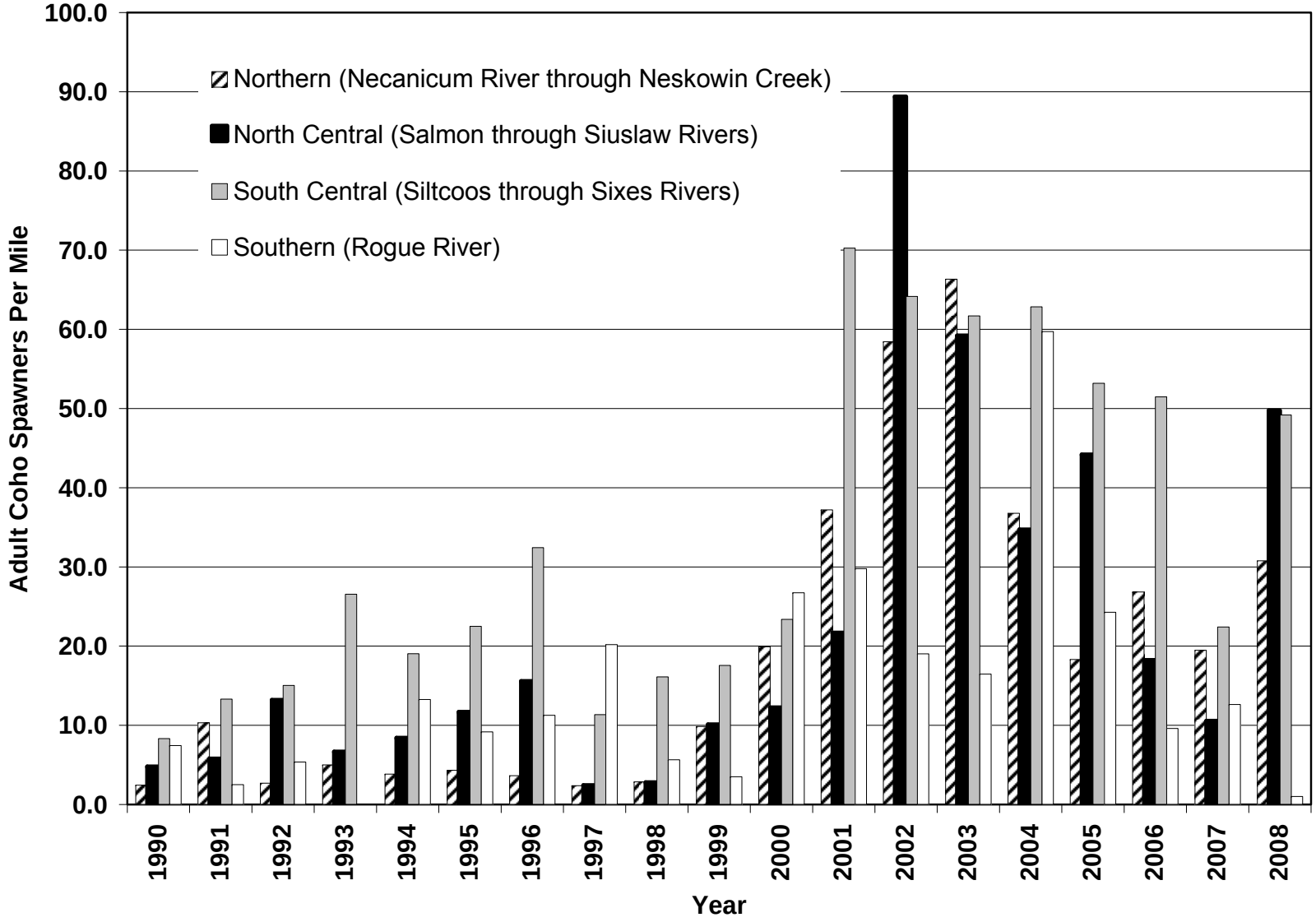

Figure III-2. Oregon coastal natural (OCN) adult coho spawners per habitat mile by coastal region based on SRS accounting methods, 1990-2008.

CHAPTER IV

SOCIOECONOMIC ASSESSMENT OF THE 2008 OCEAN SALMON FISHERIES

SUMMARY: Total 2008 exvessel value of the Council-managed non-Indian commercial salmon fishery was $1.2 million. There was no commercial fishing permitted in California in 2008 and therefore the West Coast total comprises only Oregon and Washington. In real (inflation-adjusted) dollars, exvessel value was 90 percent below its 2007 level ($11.9 million), 94 percent below the recent five year (2003-2007) average, and 98 percent below the 1979 through 1990 inflation-adjusted average of $57.9 million (including pinks). The 2008 average West Coast ocean harvest Chinook price was $6.96 per pound. This was $1.58 above the 2007 level ($5.38 per pound) and $1.53 above the 2006 level ($5.43), after adjusting for inflation. The 2008 average Chinook price was the highest recorded in more than 25 years in inflation-adjusted terms. At $2.54 per pound, in inflation-adjusted terms, average 2008 West Coast coho prices were 39 percent higher than in 2007, 2 percent higher than in 2006, and 49 percent higher than the previous five year average (2003-2007). The preliminary number of vessel-based ocean salmon recreational angler trips taken on the West Coast in 2008 was 67,200, a decrease of 73 percent from 2007, and 89 percent less than the 1979 through 1990 average. The total West Coast income impact associated with recreational and commercial ocean salmon fisheries for all three states combined was estimated at $6.9 million in 2008. In inflation-adjusted dollars this was 83 percent below the estimated 2007 level ($39.9 million), 89 percent lower than the inflation-adjusted recent five year (2003-2007) average. Year 2008 has the lowest income impacts on record with 2006 as the next comparable year with $35.7 million (inflation adjusted).

ALLOCATION OF THE SALMON RESOURCE

Salmon management by the Council involves numerous allocation issues including:

- Determination of the amount of salmon available for ocean harvest after consideration of expected abundances, harvests by inside fisheries, and spawning escapement goals.
- Allocation of harvest among broad management areas and among port areas within the management areas.
- Allocation of harvest between Indian and non-Indian harvesters.
- Allocation of the non-Indian harvest between commercial and recreational harvesters.

The amount of salmon available for harvest in Council management areas depends, in part, on harvest in Canada and Alaska. Allocation of harvest between the West Coast, Canada, and Alaska is determined within the constraints of the PST.

In general, the recreational fishery has tended to have a more stable harvest than the commercial fishery (in both absolute and relative terms) (Figures IV-1 and IV-2). The majority of the annual variation in available ocean harvest is usually taken up in the commercial fishery. However, both fisheries have suffered substantial declines relative to harvest levels of the 1980s, the effects of which are amplified within specific geographic areas.

Decisions on allowable harvests for a particular stock often have implicit allocation effects on the geographic distribution of salmon harvest. Seasons may be more restrictive along a particular area of the coast to protect a depressed stock encountered in that area at a higher rate than other areas. The geographic distribution of harvest opportunity along the coast involves balancing the often conflicting objectives of maximizing ocean harvest and fairly distributing the responsibility for resource conservation. A brief outline of the regulatory objectives which shaped the 2008 season is provided in Chapter I; and an assessment of success in meeting the objectives is provided in Chapters II and III.

COMMERCIAL SALMON FISHERIES

West Coast Non-Indian Commercial Ocean Fishery

Inseason Price Trends

Monthly exvessel price data provide information on seasonal price trends (Table IV-1). Oregon and Washington 2008 Chinook prices were at their highest in May, reaching over $8.00/pound. Oregon and Washington Chinook prices were at their lowest in September and July, respectively, with consistently high prices for the remainder of the season. Coho price trends were more mixed and peaked at the start of the season in Oregon and at the end of the season in Washington.

Annual Trends (Seasons, Value, Prices, and Pounds)

Available information on Chinook and coho exvessel price and value by species, compiled from state fish receiving tickets and expressed both in nominal terms and inflation-adjusted 2008 dollars, is presented in Tables IV-2, IV-3, and IV-4. Data on pink salmon are provided in Table IV-5. The gross domestic product implicit price deflator, developed by the Bureau of Economic Analysis, was used to adjust nominal values for inflation (Appendix D, Table D-22). Weights of landings by species and port for Chinook and coho are presented in Tables IV-6, IV-7, and IV-8. These tables and the following discussion refer to the non-Indian commercial fishery in Council management areas and associated state territorial ocean area waters.

Total 2008 exvessel value of the Council-area non-Indian commercial salmon fishery was $1.2 million, which is the lowest on record. In real (inflation-adjusted) dollars, exvessel value was 90 percent below its 2007 level ($11.9 million) and 98 percent below the 1979 through 1990 inflation-adjusted average of $57.9 million (including pinks), and 94 percent below the 2003-2007 inflation-adjusted average of $20.4 million (including pinks). The most comparable exvessel value was $7.0 million in 1998.

California did not have a commercial salmon fishery in 2008. In 2007 the exvessel value of the California commercial ocean salmon catch was $8.1 million and the 1979-2007 average was $18.5 million (inflation adjusted). The 2008 exvessel value for the Oregon commercial catch ($490 thousand) was down 83 percent from the 2007 value, and 97 percent below the 1979 through 1990 average ($18.3 million), in inflation-adjusted terms. The 2008 exvessel value for the Washington non-Indian ocean commercial catch ($710 thousand) was down 27 percent from the 2007 value ($975 thousand). Over the last seven years (2002-2008) exvessel values of Washington landings have been the highest since 1993 ($1.1 million, inflation-adjusted), but 2008 values were still 91 percent below the 1979 through 1990 inflation-adjusted average of $8.2 million.

The 2008 average West Coast ocean harvest Chinook price was $6.96 per pound, which is the highest on record. Years 2007 and 2006 had high Chinook price per pound with $5.38 and $5.43 per pound, respectively (inflation adjusted). Chinook 2006-2008 prices compared to previous years have not been this high since 1979, which had an average inflation-adjusted price of $6.54 per pound. One of the main reasons 2008 prices were so high was due to the extremely restricted 2008 fishing season (see Chapter I and Appendix C for details). The 2008 price was 78 percent above the recent five year (2003-2007) average ($3.92), in inflation-adjusted terms and 51 percent above the 1979-1990 average ($4.60). At $2.54 per pound, in inflation-adjusted terms average 2008 West Coast coho prices were 39 percent higher than in 2007, 2 percent higher than in 2006, but 14 percent lower than the 1979-1990 average.

In terms of number of fish, the 2008 coastwide, non-Indian commercial Chinook harvest (14,500 fish) decreased by 91 percent compared to 2007 (Figure IV-1). Historically, 2008 harvest of fish was the lowest on record. The number of Chinook harvested was 98 percent below the long-term average, which

includes years 1976 through 2007 (733,000 fish). The coastwide average weight per Chinook (11.4 pounds) decreased by 14 percent compared to 2007 (Appendix D, Tables D-1, D-2, and D-3). Coho catch decreased in 2008 to 2,100 fish, down 91 percent from 2007 (23,000), but comparable to 2006, which had 2,700 fish. The coastwide average weight per coho (8.4 pounds) increased 44 percent from 2007 (5.8 pounds), and is comparable to 2006 (8.5 pounds), which was the highest average weight for 1980 to the present. The coastwide coho exvessel value was $45 thousand in 2008, which is 82 percent lower than 2007 ($0.25 million) and 22 percent lower than 2006 ($57 thousand), in inflation adjusted values (Figure IV-4). In 2008 the majority of the coastwide Chinook harvest (by weight) was taken in Westport (30 percent) and Astoria (23 percent), which was very different from 2007, in which San Francisco (41 percent) and Fort Bragg (16 percent) comprised the highest Chinook take (by weight). In 2008, North of Cape Falcon comprised about 84 percent of coastwide Chinook harvest (by weight) and the KMZ comprised about 5 percent. This was incomparable to previous years, since all other years had Chinook harvest in California. Compared with 2007, Chinook harvest (by weight) in 2008 was down 100 percent in California, down 86 percent in Oregon and down 46 percent in Washington. The 2008 coho harvest (by weight) was down 97 percent in Oregon and down 57 percent in Washington, compared to 2007 (no coho were harvested in California in either year).

Ocean Commercial Salmon Harvesters

Based on Pacific Coast Fisheries Information Network (PacFIN) data, 194 vessels participated in the West Coast commercial salmon fishery in 2008. This is down 81 percent from the 2007 total of 1,007. The coastwide vessel counts from PacFIN are lower than the totals derived from summing Appendix D state-level tables because vessels may be counted in more than one state and because of differences in the degree of data completeness at the time the data were summarized.

In 2008, no California vessels landed salmon. In 2007, the active fleet in California was 601 vessels and in 2006, it was 477 vessels (Table D-4). In Oregon, the active fleet decreased by 298 vessels in 2008 with 138 vessels compared to 2007 which had 436 vessels (Table D-5). The active fleet in Washington increased by seven vessels to 86 vessels landing salmon in 2008 (Table D-6). Coastwide, the number of limited entry salmon permits issued in 2008 decreased by 4 from the previous year, to 2,552. Landings were made on 9 percent of all permits in 2008, down from 44 percent in 2007. This is the lowest on record (1982-2008). From 1982 to 1993 an average of 5,193 of 7,942 total permits (65 percent) were used on an annual basis. Harvest opportunity began declining substantially at that time and some permits were purchased in a buyback program.

Coastwide in 2008, average per vessel inflation-adjusted exvessel value of salmon landings decreased 50 percent compared to 2007, to $5,300 per vessel. Compared to 2007, 2008 average per vessel exvessel revenue was down 100 percent in California, down 46 percent in Oregon, and down 33 percent in Washington. Some caution needs to be exercised in interpreting the per vessel average. For example, the averages may be influenced as much by the entry or exit of a disproportionate number of small or large harvesters from one year to the next as by a change in the average revenues of those vessels remaining in the fishery.

Additional historical information on landings by vessel size, percentages of the fleet responsible for the majority of harvest, and harvest by residence of those participating in the fishery off each state is provided in Appendix D.

West Coast Treaty Indian Commercial Ocean Fishery

Treaty Indian commercial fisheries off Washington operate under regulations established by the Council. While some of the treaty Indian harvest was for ceremonial and subsistence purposes, the vast majority of the catch was commercial harvest. Commercial treaty Indian fisheries provide food to consumers and

generate income in local and state economies through expenditures on harvesting, processing, and marketing of the catch. From May through September 15th, the treaty Indian ocean troll fishery harvested 22,000 Chinook (165,600 pounds), 14,400 coho (124,000 pounds) in 2008, compared with 26,700 Chinook (238,300 pounds), 41,100 coho (224,200 pounds) in 2007 (Tables A-15 and D-3). For all of 2008 the preliminary exvessel value of Chinook and coho landed was $900 thousand and the inflation adjusted exvessel value in 2007 was $1.2 million (values based on PacFIN data).

Columbia River Commercial Fishery

Harvest in the ocean salmon fisheries affect inriver fisheries by affecting the number of fish available for inside treaty Indian and non-Indian harvest. Table IV-9 shows the exvessel value of Columbia River commercial harvest of Chinook, coho and chum salmon. All prices and values in the table and the following discussion are reported in inflation-adjusted dollars. Exvessel prices for inriver catches of Chinook vary considerably with race (spring versus fall Chinook) and stock (tules versus brights). Spring Chinook generally bring the highest prices and tule fall Chinook and chum the lowest.

Total 2008 exvessel value of commercial salmon harvested in the Columbia River was $7.6 million. This was 96 percent above the inflation-adjusted 2007 ($3.85 million) level. Total 2008 exvessel value for non-Indian commercial salmon harvested in the Columbia River was $3.5 million, 69 percent above the 2007 ($2.1 million) level (Table IV-9).

The total 2008 exvessel value of treaty Indian salmon harvested in the Columbia River and sold on fish tickets was $4.0 million. This is 128 percent above the 2007 ($1.8 million) value. Note that these values include only those sales made to licensed fish buyers. Treaty Indian fisher sales to the public are accounted for in harvest monitoring (Table B-20), but estimates of the pounds and value of such sales were not included in Table IV-9.

Other Inside Commercial Fisheries

Puget Sound and Washington Coastal Inside Fisheries

Information on 2008 Puget Sound and Washington coastal inside fisheries is preliminary. Based on PacFIN data, the 2008 exvessel value reported for all salmon species taken in the commercial non-Indian fisheries in Puget Sound and Washington coastal inside fisheries (excluding the Columbia River) was $4.4 million. Of this, $1.0 million was for Chinook and coho. In 2007, the total inflation-adjusted exvessel values for the commercial non-Indian salmon fisheries in these areas were $6.3 million for all salmon species and $800 thousand for Chinook and coho. The 1981 through 2007 inflation adjusted average exvessel value is $17.8 million with $4.5 million for Chinook and coho.

The preliminary 2008 exvessel value reported for all salmon species taken in the commercial treaty Indian fisheries in those areas was $6.8 million. Of this, $6.0 million was for Chinook and coho. The values for 2007 were $10.9 million for all salmon species and $5.9 million for Chinook and coho. The 1981 through 2007 inflation adjusted exvessel value is $21.9 million with $8.0 million for Chinook and coho.

Klamath River Fisheries

Commercial sales in the Yurok and Hoopa Valley Reservation Indian fall gillnet fisheries in the Klamath River occurred in 1987-1989, 1996, 1999-2004, and 2007-2008. Average commercial catch of fall Chinook was 17,600 in those years, most of which occurred in the estuary. Commercial sales also occurred in spring gillnet fisheries in 1989, 1996, 2000-2004, and 2007-2008, with an average of about 1,500 fish sold. The 1989 harvest of 27,700 Chinook was sold for $852,000 (unadjusted for inflation, $1.3 million adjusted to 2008 dollars) and had an average per fish weight of 15.4 pounds. For the 1996 harvest of 3,129 spring Chinook and 40,147 fall Chinook, the value at first sale was estimated at $525,000

(unadjusted for inflation, $685,000 adjusted to 2008 dollars). The average weight per fish landed in 1996 was 13.5 pounds. Records were not available for the weight and value of harvests after 1996 as each Indian fisher now markets their fish independently. In recent years the fishery has occurred fairly regularly with the exceptions of 2005 and 2006. The commercial fall Chinook harvest was 12,500 Chinook in 2008, compared to 21,100 Chinook in 2007 (Appendix B, Table B-5).

CEREMONIAL AND SUBSISTENCE SALMON FISHERIES

In addition to the commercial Indian fisheries discussed above, fish are taken in Indian fisheries each year for ceremonial and subsistence purposes. Estimates of the amount of salmon used for ceremonial and subsistence purposes are documented in Appendix B. Discussion of the importance of ceremonial and subsistence fish to Indian communities is presented in Appendix B to Amendment 14 of the salmon FMP.

RECREATIONAL SALMON FISHERIES

Ocean

The preliminary number of vessel-based ocean salmon recreational angler trips taken on the West Coast in 2008 was 67,200, a decrease of 73 percent from 2007, and 89 percent less than the 1979 through 1990 average. Compared with 2007, preliminary estimates of the number of trips taken in 2008 decreased by nearly 100 percent in California, decreased by 66 percent in Oregon, and decreased by 50 percent in Washington. Note that Washington effort estimates in Tables IV-10 and IV-13 differ from those in Tables I-4 and Appendix A Table A-17 because the former exclude bank effort from the Columbia River north jetty.

Recreational salmon fishing takes place primarily in two modes, (1) anglers fishing from privately owned pleasure crafts, and (2) anglers employing the services of the charter boat fleet. In general, success rates on charter vessels tend to be higher than success rates on private vessels. Small amounts of shore-based effort directed toward ocean area salmon occur, primarily from jetties and piers. Coastwide, the proportion of angler trips taken on charter vessels in Washington, Oregon and California declined from 31 percent in 2007 to 24 percent in 2008 with a decline in the charter trips proportion in Oregon and increases in those proportions in California and Washington. Figure IV-5 and Tables IV-10, IV-11, IV-12, and IV-13 display details of effort and catch by port area and mode for each state.

California

The California fishery was closed with the exception of an early season opening that occurred in the Fort Bragg area. There were 391 trips during that opening (98% fewer than the season total in Fort Bragg in 2007. There were only six Chinook caught on the 391 angler trips and all six were caught on private vessels. There were 0.015 fish per trip for the opening.

Oregon

Ocean recreational salmon trips in 2008 in Oregon were down 66 percent to 30,400 trips from an estimated 88,300 angler trips in 2007. Total 2008 trips were 71 percent below the most recent five year average (2003 through 2007). All Oregon port areas have a decrease in effort ranging from 57 percent each in Tillamook and Brookings to 74 percent in Newport. The charter industry share of Oregon recreational salmon trips in 2008 was about 6 percent, which was less than half of the previous year as well as the recent five year average (2003 through 2007) (Figure IV-5 and Table IV-12).

From 1984 to 1993, coho comprised 87 percent of the Oregon recreational ocean salmon catch, on average. From 1994 through 1998 the lack of opportunity to retain coho south of Cape Falcon generally resulted in much lower angler success rates. With the opportunity to retain coho in mark-selective fisheries south of Cape Falcon beginning in 1999, salmon retention rates increased 75 percent in 1999 to

0.43 salmon per angler day, from 0.25 in 1998. From 2002 through 2007, retention rates ranged between 0.44 and 1.07 salmon per angler day. The retention rate for 2008 was in this range at 0.45. Coho contributed 88% of the catch.

Washington

In 2008, 36,400 ocean angler trips were taken on vessels on the Washington coast, a decrease of 50 percent from the 72,700 trips taken in 2007, and 60 percent below the recent five year average (2003-2007). Effort has been decreasing each year since 2003, except 2007. The proportion of Washington angler trips taken on charter vessels was 39 percent in 2008, up from 37 percent in 2007, (Figure IV-5 and Table IV-13), which is comparable to recent years, but 29 percent below an early year average (1979 through 1990).

Angler success rates (in terms of retained fish per angler trip) decreased to 0.92 in 2008, down from 1.28 in 2007 and 0.73 in 2006. The retention rate averaged 1.49 salmon per trip between 1979 and 1990 and 1.26 salmon per trip since then. Note that these figures do not include angler effort that occurs from the ocean side of the Columbia River jetty, or angler effort in the state managed Area 4B add-on fishery.

In an effort to increase angler participation in non-salmon recreational fishing (e.g., bottomfish trips) and to extend the length of the salmon season, partial-week closures were used in the recreational fishery north of Cape Falcon beginning in 1985. Sunday through Thursday openings were used beginning in 1996 in the Westport and Columbia River port areas. The Neah Bay and La Push areas were generally open seven days a week, until more recently. In 2008, the fishery was open seven-days-per-week in the Columbia River area (south of Leadbetter Point) during June, with partial week openings in July and August. All open ports north of Leadbetter Point switched from partial week openings to a seven-day-per-week fishery on August 25th. In 2008, north of Cape Falcon there were 43,900 bottomfish trips, a decrease from the 45,200 trips in 2007 (Table IV-14). The decline was distributed across all port areas.

Buoy 10 and Area 4B Add-On Fisheries

For anglers fishing from private and charter boats, angler retention rates in the Buoy 10 fishery rose from 0.34 salmon per angler day in 2007 to 0.52 salmon per angler day in 2008. Private and charter boat effort in 2008 was down 8 percent, compared with 2007, to about 32,500 trips (Table IV-15).

In 2000, about 3,400 trips were made in the late-season Area 4B add-on fishery. Since that time there have been no late season Area 4B add-on fisheries (Table IV-15) until 2008, which had an estimated 782 private trips and no charter trips.

There were numerous other inside recreational salmon fishing opportunities in Puget Sound and coastal streams and estuaries that are not discussed in this chapter of the Review. See Appendix B for estimates of harvest in some of those other fisheries.

SALMON FISHERY INCOME IMPACTS AND COMMUNITY DEPENDENCE

Coastal community income impacts provide information on the effects of fluctuations in salmon harvest on local economies and small businesses. Income impacts are estimated per commercial pound and per recreational fishing day, and were generated using the Fishery Economic Assessment Model (FEAM). Information on FEAM is available from the Council on request.

Estimated state and local community income impacts of commercial and recreational ocean salmon fisheries and selected state-managed fisheries are shown in Tables IV-16 through IV-20. These impacts represent estimates of total personal income associated with harvesting, processing and first level distribution activities in the commercial and recreational salmon fisheries at the local community (county)

and state levels. Income impacts are estimated based on several components: reported landings by area, an inventory of area fleet and processors, estimates of fleet and processor expenditures, surveys of the expenditure patterns of recreational fishers, and local and state level total income coefficients generated by IMPLAN® models constructed for each area. Commercial ocean harvest not landed in the coastal areas (e.g., landed in Puget Sound ports) was not included in the estimates of coastal community impacts, but was included in the overall estimate of state impacts.

The impacts presented here are estimates of annual trends and are intended to indicate the possible redirection of activity between nonfishing-dependent and fishing-dependent sectors. As such they represent likely upper bounds on the local community and state income impacts generated by West Coast salmon fisheries. All income impact estimates in this review are reported in inflation-adjusted 2008 dollars.

West Coast Ocean Fishery Income Impacts

The total West Coast income impact associated with recreational and commercial ocean salmon fisheries for all three states combined was a record low of $6.9 million in 2008. In inflation-adjusted dollars this was 83 percent below the estimated 2007 level ($39.9 million) and 98 percent lower than the inflation-adjusted value for 1979 (the highest year in the data time series). The 2008 value was 89 percent below the inflation-adjusted average of $65.8 million for the previous five years 2003-2007 (Tables IV-16 through IV-18). West Coast income impacts associated with the 2008 non-Indian commercial ocean fishery were $1.4 million, 93 percent below 2007 ($19.4 million), and 96 percent below the recent five year (2003-2007) average ($37.6 million), in inflation-adjusted terms;[1/] the most recent comparable year was 1998 ($16.7 million). Income impacts related to the 2008 ocean recreational fishery were estimated at $5.5 million, 73 percent below the 2007 level ($20.1 million), and 80 percent below the 2003-2007 average in inflation-adjusted terms ($28.2 million). These coastwide values do not reveal the reductions in particular communities compared with averages during the 1980s. Tables IV-16 through IV-18 provide greater detail on the impacts in individual states and port areas along the West Coast.

Selected Inside Fisheries

Columbia River Commercial Fisheries

For periods in the past, the non-Indian and treaty Indian Columbia River commercial fisheries have generated a substantial amount of income for the Oregon and Washington communities on the Columbia River, an average of $32.5 million from 1986-1990 (inflation-adjusted). For 2008, income impacts associated with the Columbia River commercial catch (non-Indian and treaty Indian) were estimated at $14.2 million, which was the highest value since 1989 ($23.5 million). The income impacts in 2007 were $7.1 million and $10.5 million in 2006 (all values in inflation-adjusted 2008 dollars, Table IV-19). In FEAM, most of the benefit of higher than average salmon prices was assumed to go to the harvesters.

Buoy 10 and Area 4B Add-On

The estimated local community income impact associated with the 2008 Buoy 10 recreational fishery was $1.3 million, 8 percent below the inflation-adjusted 2007 level of $1.4 million, and 82 percent below the 1987-1990 inflation-adjusted average of $7.2 million (Table IV-20). There was a late season Area 4B add-on fishery this year, which was the first since 2000. The associated local community income impact

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1/ Income impact estimates for the commercial fishery do not include postseason settlement payments fishers may have received from buyers. These postseason settlements may be particularly significant for the California fishery.

with the area 4B add-on is $29,800. Between 1996 and 2000, the average annual inflation-adjusted total state-level income impact associated with the Area 4B add-on fishery was $135,000 (Table IV-20).

TABLE IV-1. Average monthly exvessel troll salmon price in dollars per dressed pound for California, Oregon, and Washington in 2008.

Species/Grade	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
CALIFORNIA											
Chinook[a/]	-	-	-	-	-	-	-	-	-	-	-
Coho	-	-	-	-	-	-	-	-	-	-	-
OREGON											
Chinook											
Large (>11 Pounds)	-	-	8.75	6.92	6.08	5.83	4.98	6.32	6.34	-	7.21
Medium (7-11 Pounds)	-	-	8.51	6.76	8.14	5.64	4.40	6.14	6.51	-	7.49
Small (<7 Pounds)	-	-	8.01	4.87	-	6.00	3.00	-	-	-	6.94
Ungraded Chinook	-	-	8.48	5.70	7.33	5.73	5.13	6.81	7.00	-	7.21
Weighted Average	-	-	8.56	6.59	7.22	5.76	4.87	6.47	6.36	-	7.31
Mixed Coho	-	-	-	-	3.33	2.85	1.82	-	-	-	2.79
WASHINGTON[b/]											
Chinook											
Large (>11 Pounds)	-	-	9.18	6.19	5.91	6.06	6.19	-	-	-	6.93
Medium (8-11 Pounds)	-	-	8.46	6.03	5.59	5.91	6.02	-	-	-	6.62
Small (<8 Pounds)	-	-	9.52	2.22	4.28	5.64	5.00	-	-	-	4.99
Ungraded Chinook	-	-	-	-	-	-	-	-	-	-	-
Weighted Average	-	-	9.01	6.19	5.79	6.12	6.11	-	-	-	6.74
Mixed Coho	-	-	-	-	2.09	2.43	2.79	-	-	-	2.38

a/ Chinook salmon typically sold in two size categories. Prices paid in these categories are not extracted from dealer ticket information.

b/ Non-Indian data only.

TABLE IV-2. Troll Chinook and coho landed in California, estimates of exvessel value, and average price (dollars per dressed pound) in nominal and real (2008) dollars.[a/]

	Chinook				Coho				Total[b/]	
Year or Avg.	Nominal Value ($*1,000)	Real Value ($*1,000)	Nominal Price Per Pound ($)	Real Price Per Pound ($)	Nominal Value ($*1,000)	Real Value ($*1,000)	Nominal Price Per Pound ($)	Real Price Per Pound ($)	Nominal Value ($*1,000)	Real Value ($*1,000)
1979	17,356	42,901	2.53	6.25	2,303	5,693	2.19	5.41	19,659	48,593
1980	12,741	28,874	2.27	5.14	408	925	1.36	3.08	13,149	29,798
1981-1985	10,945	20,985	2.42	4.58	554	1,074	1.94	4.02	11,499	22,059
1986-1990	21,151	34,378	2.56	4.12	490	784	1.36	2.66	21,641	35,162
1991-1995	7,335	10,133	2.28	3.18	143	207	1.25	2.35	7,478	10,340
1996	5,984	7,809	1.44	1.88	-	-	-	-	5,984	7,809
1997	7,288	9,355	1.38	1.77	-	-	-	-	7,288	9,355
1998	3,060	3,885	1.66	2.11	-	-	-	-	3,060	3,885
1999	7,429	9,297	1.93	2.42	-	-	-	-	7,429	9,297
2000	10,304	12,620	2.01	2.46	-	-	-	-	10,304	12,620
2001	4,773	5,709	1.98	2.37	-	-	-	-	4,773	5,709
2002	7,776	9,140	1.55	1.83	-	-	-	-	7,776	9,140
2003	12,181	14,021	1.91	2.20	-	-	-	-	12,181	14,021
2004	17,895	20,022	2.87	3.21	-	-	-	-	17,895	20,022
2005	12,913	13,996	2.97	3.22	-	-	-	-	12,913	13,996
2006	5,350	5,621	5.13	5.39	-	-	-	-	5,350	5,621
2007	7,902	8,078	5.18	5.30	-	-	-	-	7,902	8,078
2008	-	-	-	-	-	-	-	-	-	-

a/ These exvessel values do not include the postseason settlement payments some fishers may have received from buyers and therefore may underestimate the true payments received by fishers for their landings. Beginning circa 1999, these postseason settlements are believed to have grown for the California fishery. For 2002, the exvessel value reported here is believed to be under reported by roughly 5% to 10%.

b/ Does not include pink salmon landings, if any.

TABLE IV-3. Troll Chinook and coho landed in Oregon, estimates of exvessel value, and average price (dollars per dressed pound) in nominal and real (2008) dollars.

	Chinook				Coho				Total[a/]	
Year or Avg.	Nominal Value ($*1,000)	Real Value ($*1,000)	Nominal Price Per Pound ($)	Real Price Per Pound ($)	Nominal Value ($*1,000)	Real Value ($*1,000)	Nominal Price Per Pound ($)	Real Price Per Pound ($)	Nominal Value ($*1,000)	Real Value ($*1,000)
1971-1975	2,036	7,431	0.89	3.30	3,658	13,676	0.64	2.35	5,694	21,107
1976-1980	5,290	13,990	2.17	5.72	6,389	17,412	1.51	3.98	11,679	31,402
1981-1985	3,582	6,832	2.46	4.66	2,248	4,473	1.45	2.76	5,830	11,305
1986-1990	9,381	15,223	2.47	3.98	3,203	5,210	1.54	2.48	12,584	20,433
1991-1995	1,971	2,729	2.24	3.12	326	472	0.64	0.91	2,297	3,200
1996	3,007	3,924	1.56	2.04	-	-	-	-	3,007	3,924
1997	2,469	3,169	1.60	2.05	-	-	-	-	2,469	3,169
1998	2,297	2,916	1.64	2.08	-	-	-	-	2,297	2,916
1999	1,400	1,752	1.94	2.43	1	1	1.03	1.29	1,401	1,753
2000	2,988	3,659	2.02	2.47	75	92	1.06	1.30	3,063	3,751
2001	4,680	5,597	1.61	1.93	41	49	0.79	0.94	4,721	5,647
2002	5,383	6,328	1.54	1.81	8	9	0.75	0.88	5,391	6,337
2003	7,186	8,271	1.97	2.27	36	42	0.85	0.98	7,222	8,313
2004	9,832	11,001	3.45	3.86	86	97	1.24	1.39	9,919	11,098
2005	8,466	9,176	3.17	3.44	37	40	1.87	2.03	8,503	9,216
2006	2,663	2,797	5.48	5.76	38	40	2.90	3.05	2,701	2,838
2007	2,630	2,688	5.66	5.79	193	197	1.90	1.94	2,822	2,885
2008[b/]	480	480	7.31	7.31	9	9	2.79	2.79	489	489

a/ Does not include pink salmon landings.
b/ Preliminary.

TABLE IV-4. Non-Indian troll Chinook and coho landed in Washington, estimates of exvessel value, and average price (dollars per dressed pound) in nominal and real (2008) dollars.[a/]

	Chinook				Coho				Total[b/]	
Year or Avg.	Nominal Value ($*1,000)	Real Value ($*1,000)	Nominal Price Per Pound ($)	Real Price Per Pound ($)	Nominal Value ($*1,000)	Real Value ($*1,000)	Nominal Price Per Pound ($)	Real Price Per Pound ($)	Nominal Value ($*1,000)	Real Value ($*1,000)
1971-1975	2,714	10,033	0.89	3.31	3,060	11,340	0.66	2.46	5,775	21,373
1976-1980	5,313	14,348	2.39	6.26	6,086	16,396	1.67	4.39	11,399	30,743
1981-1985	1,954	3,836	2.46	4.66	1,272	2,507	1.32	2.50	3,225	6,343
1986-1990[c/]	1,310	2,121	2.61	4.22	360	573	1.62	2.62	1,670	2,694
1991-1995[d/]	550	780	2.17	3.03	120	170	0.86	1.21	670	950
1996	d/	d/	d/	d/	59	77	0.86	1.12	d/	d/
1997	125	160	1.55	1.99	-	-	-	-	125	160
1998	123	156	1.51	1.92	-	-	-	-	123	156
1999	377	472	1.90	2.38	19	24	0.88	1.10	396	496
2000	224	275	1.71	2.09	34	42	1.09	1.33	258	316
2001	349	417	1.44	1.72	34	41	0.69	0.83	383	458
2002	756	889	1.11	1.30	2	2	1.58	1.86	758	891
2003	951	1,094	1.15	1.32	40	46	0.74	0.85	991	1,141
2004	1,079	1,208	2.14	2.39	106	118	1.16	1.30	1,185	1,326
2005	1,273	1,380	2.70	2.93	16	18	1.65	1.79	1,290	1,398
2006	1,029	1,081	4.64	4.88	16	17	1.69	1.78	1,045	1,098
2007	905	925	4.90	5.01	48	49	1.46	1.49	953	974
2008	673	673	6.73	6.73	36	36	2.49	2.49	709	709

a/ All values in this table are based on preliminary information available at the start of each year's salmon review.

b/ Does not include pink salmon landings.

c/ There was no legal coho fishery in 1988. The value used in this average for 1988 is for landings of fish caught south of Cape Falcon and seizures of illegal fish.

d/ In 1994-1996 Chinook were caught off Oregon and landed in Washington. Valve information was not provided to preserve confidentiality.

TABLE IV-5. Non-Indian troll pink salmon landed in Oregon and Washington, estimates of exvessel value, and average price (dollars per dressed pound) in nominal and real (2008) dollars.

	Oregon				Washington				Total[a/]	
Year or Avg.[a/]	Nominal Value ($*1,000)	Real Value ($*1,000)	Nominal Price Per Pound ($)	Real Price Per Pound ($)	Nominal Value ($*1,000)	Real Value ($*1,000)	Nominal Price Per Pound ($)	Real Price Per Pound ($)	Nominal Value ($*1,000)	Real Value ($*1,000)
1976-1980	167	462	0.75	1.97	1,200	3,130	0.54	1.43	1,367	3,592
1981-1985	129	249	0.74	1.41	287	563	0.41	0.79	416	812
1986-1990	41	68	0.77	1.24	57	89	0.66	1.07	98	158
1991-1995	1	2	0.88	1.22	38	54	0.64	0.89	39	56
1997	b/	b/	0.56	0.72	b/	b/	0.20	0.26	b/	b/
1999	b/	b/	0.67	0.84	b/	b/	0.38	0.48	b/	b/
2001	1	1	0.58	0.69	b/	b/	0.22	0.26	1	1
2003	b/	b/	0.85	0.98	b/	b/	0.30	0.35	b/	b/
2005	b/	b/	1.25	1.35	b/	b/	0.52	0.56	b/	b/
2007[c/]	b/	b/	1.03	1.05	b/	b/	0.33	0.34	b/	b/

a/ Odd year averages.
b/ Less than $500.
c/ Preliminary.

TABLE IV-6. Pounds of salmon landed by the commercial troll ocean fishery for major California port areas.[a/]

Year or Avg.	Crescent City	Eureka	Fort Bragg	San Francisco	Monterey	State Total
			CHINOOK (thousands of dressed pounds)			
1976-1980	393	1,403	1,449	1,733	889	5,867
1981-1985	350	428	1,128	1,806	742	4,454
1986-1990	155	405	2,299	3,648	1,592	8,097
1991-1995	2	25	183	1,893	1,326	3,429
1996	3	92	278	1,695	2,046	4,113
1997	c/	14	35	2,711	2,488	5,248
1998	1	22	35	1,081	709	1,847
1999	3	27	30	2,681	1,105	3,846
2000	3	20	354	2,607	2,148	5,131
2001	3	61	192	1,735	418	2,409
2002	54	108	872	3,060	912	5,008
2003	38	7	3,096	2,753	498	6,392
2004	308	65	1,292	3,712	853	6,230
2005	25	77	889	2,258	1,098	4,347
2006	-	-	273	684	87	1,043
2007	34	81	357	888	165	1,525
2008	-	-	-	-	-	-
			COHO (thousands of dressed pounds)			
1976-1980	360	391	277	109	48	1,184
1981-1985	89	104	89	54	9	345
1986-1990	22	43	136	53	9	262
1991-1995	c/	4	11	56	23	94
1996	-	-	-	-	-	-
1997	-	-	-	-	-	-
1998	-	-	-	-	-	-
1999	-	-	-	-	-	-
2000	-	-	-	-	-	-
2001	-	-	-	-	-	-
2002	-	-	-	-	-	-
2003	-	-	-	-	-	-
2004	-	-	-	-	-	-
2005	-	-	-	-	-	-
2006	-	-	-	-	-	-
2007	-	-	-	-	-	-
2008	-	-	-	-	-	-

a/ The major port areas listed may include smaller ports as follows: Crescent City includes only Crescent City; Eureka includes Trinidad and Humboldt Bay; Fort Bragg includes Shelter Cove, Noyo Harbor, Mendocino, and Pt. Arena; San Francisco includes Bodega Bay, Sausalito, Berkeley, and Half Moon Bay; Monterey includes Santa Cruz, Moss Landing, Morro Bay, Avila, and all ports south of Pt. Conception.

b/ Prior to 2005 landings were based on catch area, not port of landing.

c/ Less than 500 pounds.

TABLE IV-7. Pounds of salmon landed by the commercial troll ocean fishery for major Oregon port areas.[a/]

Year or Avg.	Astoria	Tillamook	Newport	Coos Bay	Brookings	State Total
			CHINOOK (thousands of dressed pounds)			
1976-1980	171	118	530	908	700	2,427
1981-1985	92	45	271	638	386	1,432
1986-1990	52	264	829	2,118	468	3,731
1991-1995	7	86	580	235	31	940
1996	21	125	1,219	417	142	1,926
1997	3	32	1,053	381	73	1,542
1998	b/	66	953	326	52	1,398
1999	13	32	194	403	80	721
2000	89	97	532	648	114	1,481
2001	73	223	1,673	776	152	2,897
2002	330	275	1,442	1,223	218	3,488
2003	265	245	1,634	1,353	142	3,639
2004	134	113	1,121	1,214	267	2,850
2005	130	214	1,034	1,054	239	2,671
2006	99	67	218	56	45	486
2007	22	37	76	232	98	464
2008[c/]	38	19	-	-	8	65
			COHO (thousands of dressed pounds)			
1976-1980	385	660	1,190	1,661	357	4,252
1981-1985	133	293	451	550	111	1,537
1986-1990	73	473	693	648	69	1,957
1991-1995	17	93	110	104	1	325
1996	-	-	-	-	-	-
1997	-	-	-	-	-	-
1998	-	-	-	-	-	-
1999	1	-	-	-	-	1
2000	71	-	-	-	-	71
2001	50	b/	2	-	-	52
2002	6	5	-	-	-	11
2003	32	11	-	-	-	43
2004	47	22	-	-	-	70
2005	9	11	-	-	-	20
2006	8	5	-	-	-	13
2007	37	34	13	14	3	101
2008[c/]	2	1	-	-	-	3

a/ The major port areas listed include smaller ports as follows: Astoria also includes Gearhart/Seaside and Cannon Beach; Tillamook also includes Garibaldi, Netarts, Pacific City, and Nehalem Bay; Newport also includes Depoe Bay, Siletz Bay, Salmon River, and Waldport; Coos Bay also includes Florence, Winchester Bay, Charleston, and Bandon; Brookings also includes Port Orford and Gold Beach.

b/ Less than 500 pounds.

c/ Preliminary.

TABLE IV-8. Pounds of salmon landed by the non-Indian commercial troll ocean fishery for major Washington port areas.[a/b/]

Year or Avg.	Neah Bay	La Push	Westport	Ilwaco	Coastal Community Total	Puget Sound	State Total[c/]
			CHINOOK (thousands of dressed pounds)				
1976-1980	288	421	919	261	1,889	426	2,315
1981-1985	88	32	370	74	564	124	689
1986-1990	71	17	234	48	371	122	493
1991	128	7	127	14	276	32	308
1992	160	46	232	10	447	58	507
1993	122	35	132	2	291	41	332
1994[d/]	-	-	-	-	-	7	7
1995[d/]	-	-	3	-	3	12	15
1996[d/]	-	-	4	1	5	13	18
1997	20	e/	45	-	65	15	80
1998	30	-	34	-	64	18	82
1999	62	2	66	3	133	65	198
2000	85	1	38	8	131	e/	131
2001	97	-	138	6	241	-	241
2002	262	33	322	61	678	-	678
2003	470	67	243	29	810	12	821
2004	250	74	158	15	497	7	504
2005	170	100	181	20	471	e/	471
2006	86	64	40	26	216	5	222
2007	38	31	105	8	182	2	184
2008	20	17	49	13	99	1	100
			COHO (thousands of dressed pounds)				
1976-1980	600	786	1,066	678	3,130	496	3,626
1981-1985	133	63	277	142	616	128	744
1986-1990	70	19	97	53	239	19	259
1991	87	16	126	45	274	31	304
1992	25	13	21	4	63	12	75
1993	11	7	43	2	63	3	66
1994	-	-	-	-	-	-	-
1995	84	18	7	-	109	2	111
1996	45	1	23	-	68	e/	68
1997	-	-	-	-	-	-	-
1998	-	-	-	-	-	-	-
1999	7	1	4	1	13	9	21
2000	-	-	15	16	31	e/	31
2001	2	-	39	9	49	-	49
2002	-	-	e/	1	1	-	1
2003	11	12	21	8	52	2	54
2004	12	20	53	4	89	1	91
2005	2	1	3	5	10	-	10
2006	3	3	3	1	10	e/	10
2007	3	3	9	17	33	-	33
2008	2	3	8	1	14	e/	14

a/ All values in this table are based on preliminary information available at the start of each year's salmon review.

b/ The major port areas listed may include smaller ports as follows: Neah Bay includes only Neah Bay; La Push also includes Kalaloch; Westport also includes Aberdeen, Bay City, Copalis Beach, Hoquiam, Moclips, Taholah, Bay Center, Grayland Beach, Raymond, South Bend, and Tokeland; Ilwaco also includes Long Beach, Nahcotta, Naselle, and all Columbia River Ports; Puget Sound includes all Puget Sound ports east of Neah Bay.

c/ State total includes landings where port of landing is not specified.

d/ There was no ocean commercial fishery for Chinook north of Cape Falcon; however, Chinook were caught off Oregon and landed in Washington.

e/ Less than 500 pounds.

TABLE IV-9. Exvessel values (expressed in 2008 dollars) of inriver commercial harvest of Columbia River salmon.[a/]

		Average Price Per Landed Pound[b/] (dollars)						Exvessel Value (thousands of dollars)						Pounds (thousands)					
Fishery	Species	1987-2003	2004	2005	2006	2007	2008[c/]	1987-2003	2004	2005	2006	2007	2008[c/]	1987-2003	2004	2005	2006	2007	2008[c/]
								OREGON											
Non-Indian[d/] Gillnet	Chinook																		
	Spring	4.13	4.16	3.70	4.92	5.51	6.18	496	1,149	340	645	782	711	116	276	92	131	142	115
	Fall Brights	1.41	1.53	1.76	2.25	2.89	2.50	1,698	627	479	670	361	1,030	749	409	273	298	135	413
	Tules	0.39	0.25	0.28	0.29	0.05	0.06	100	55	37	19	1	6	156	224	132	65	e/	112
	Coho	1.24	1.01	1.16	1.38	1.66	1.31	1,089	760	915	659	315	670	785	755	789	478	189	511
	Chum	0.43	0.28	0.34	0.27	0.77	0.79	e/	e/	e/	e/	e/	e/	2	e/	e/	e/	e/	e/
	TOTAL							3,383	2,591	1,772	1,993	1,459	2,418	1,807	1,664	1,286	971	466	1,151
Treaty Indian[f/] All Gears	Chinook																		
	Spring	2.78	2.07	-	3.15	3.83	4.64	6	166	-	e/	65	322	3	80	-	e/	17	70
	Fall Brights	1.34	1.26	1.13	1.61	2.67	2.55	697	602	225	332	369	935	337	476	200	206	138	366
	Tules	0.32	0.11	0.18	0.27	0.03	0.04	18	33	12	3	1	6	62	299	67	11	25	129
	Coho	0.83	0.66	1.01	1.31	1.09	1.16	6	19	1	15	15	51	4	29	1	12	14	44
	TOTAL							726	820	238	350	450	1,314	407	884	267	229	194	609
								WASHINGTON[c/h/]											
Non-Indian Gillnet	Chinook																		
	Spring	4.46	4.40	3.88	3.86	7.22	6.71	223	304	239	336	129	315	- 44	69	62	87	18	47
	Fall[g/]	1.31	1.44	1.51	2.03	2.58	2.55	656	488	354	442	235	509	333	338	235	218	91	199
	Coho	1.24	1.05	1.12	1.40	1.67	1.26	451	389	213	290	256	277	369	370	191	207	154	219
	Chum	0.38	0.28	0.87	-	0.20	0.97	1	e/	e/	-	e/	e/	1	e/	e/	-	e/	e/
	TOTAL							1,331	1,181	806	1,068	621	1,102	747	777	487	512	263	466
Treaty Indian[f/] All Gears[i/]	Chinook																		
	Spring	3.01	1.76	1.83	2.47	7.16	4.45	53	184	122	447	e/	972	34	105	67	180	e/	e/
	Fall[g/]	0.93	0.60	0.55	1.47	1.99	1.36	1,068	487	776	1,333	1,268	1,600	914	806	1,404	905	638	1,172
	Coho	0.87	0.25	0.33	0.59	0.80	0.80	15	11	11	27	53	149	18	43	34	45	66	184
	TOTAL							1,136	682	909	1,807	1,321	2,720	970	954	1,504	1,130	705	1,574
Columbia River Total		-	-	-	-	-	-	6,576	5,274	3,726	5,218	3,850	- 7,554	6,576	4,280	3,545	2,842	1,628	3,800

a/ Excluding pink, sockeye, and steelhead.
b/ Gillnet exvessel salmon prices are recorded in round weight and therefore are not strictly comparable to exvessel troll prices.
c/ Preliminary. (All Washington values in this table are based on preliminary information available when each year's Salmon Review is drafted.)
d/ Mainstem below Bonneville and select areas (Youngs Bay, Tongue Point, Blind Slough, and Deep River).
e/ Less than $500 or 500 pounds.
f/ Treaty Indian landings and values do not include direct sales to consumers.
g/ Includes fall brights, tules, and jacks. Price changes may reflect a change in the mix of brights, tules, and jacks rather than annual price changes.
h/ Washington prices for years prior to 2000 are based on a combination of Washington and Oregon value information.
i/ Primarily mainstem Columbia set gillnet but also Includes Klickitat dipnet, Drano Lake (Little White Salmon River mouth), and Priest Rapids Pool fisheries.

TABLE IV-10. California, Oregon, and Washington ocean recreational salmon effort in thousands of angler trips and catch in thousands of fish by boat type. (Page 1 of 2)

	Angler Trips		Chinook Catch[a/]		Coho Catch[a/]	
Year or Avg.	Charter	Private	Charter	Private	Charter	Private
			CALIFORNIA			
1981-1985	68.9	78.1	74.6	34.4	1.5	18.3
1986-1990	95.9	144.8	100.1	66.3	5.3	35.1
1991-1995	81.7	131.8	85.9	83.0	3.8	18.7
1996	84.6	140.9	72.9	91.2	b/	0.6
1997	102.6	131.7	122.3	106.6	b/	0.5
1998	67.0	85.0	59.7	62.3	b/	0.1
1999	62.6	84.4	40.5	47.4	b/	0.6
2000	94.0	120.4	91.9	94.0	b/	0.4
2001	69.9	95.2	43.2	55.6	0.1	1.2
2002	86.6	123.4	85.1	96.9	b/	0.8
2003	59.4	75.3	48.3	46.4	0.1	0.6
2004	97.7	121.0	124.7	96.5	b/	1.4
2005	69.1	103.0	61.3	81.9	b/	0.7
2006	44.9	81.6	35.3	61.0	b/	1.6
2007	31.4	74.5	12.4	35.4	b/	0.7
2008[c/]	0.1	0.3	-	b/	-	-
			OREGON[d/e/]			
1979	73.7	187.7	5.4	13.3	59.8	101.8
1980	79.0	218.9	5.1	11.9	98.3	207.5
1981-1985	45.7	187.9	6.2	26.9	48.0	117.6
1986-1990	56.5	184.6	7.0	28.8	71.6	148.4
1991-1995	18.0	81.8	1.3	8.0	27.1	76.2
1996	5.6	38.3	1.2	10.1	3.0	4.2
1997	3.9	26.4	1.5	6.2	2.4	3.6
1998	1.8	24.2	0.5	3.6	0.5	1.8
1999	5.5	43.9	0.9	6.9	3.4	10.3
2000	9.8	68.7	3.6	21.8	7.5	25.7
2001	18.2	102.3	6.4	20.8	19.3	75.0
2002	15.7	91.9	7.9	39.5	9.0	27.5
2003	23.4	121.1	8.8	31.8	23.7	90.0
2004	21.1	124.6	14.6	41.8	13.1	58.8
2005	9.9	66.1	4.5	23.4	3.1	10.6
2006	8.0	54.4	1.5	10.1	3.6	12.0
2007	11.4	76.9	0.6	6.4	10.6	50.1
2008[c/]	1.9	28.5	0.2	1.4	1.0	11.1

TABLE IV-10. California, Oregon, and Washington ocean recreational salmon effort in thousands of angler trips and catch in thousands of fish by boat type. (Page 2 of 2)

	Angler Trips		Chinook Catch[a/]		Coho Catch[a/]	
Year or Avg.	Charter	Private	Charter	Private	Charter	Private
			WASHINGTON[f/g/]			
1979	220.8	89.8	61.1	15.7	227.9	62.4
1980	193.9	86.2	41.1	12.5	288.4	73.1
1981-1985	102.0	69.7	42.6	13.8	113.3	69.2
1986-1990	53.5	59.4	16.0	10.0	78.0	77.6
1991-1995	28.0	45.1	4.5	4.2	41.5	54.8
1996	15.3	23.5	b/	0.2	24.5	24.4
1997	12.5	15.1	1.7	2.3	12.5	12.8
1998	5.5	6.8	1.1	0.9	5.6	7.1
1999	17.5	29.9	5.7	4.1	16.3	23.7
2000	17.1	27.9	5.1	3.4	27.9	35.8
2001	41.2	72.4	11.9	10.8	66.2	98.2
2002	37.0	57.4	30.9	27.0	30.4	43.7
2003	44.5	75.5	16.0	18.1	53.4	84.9
2004	36.5	73.1	10.3	14.6	37.6	75.1
2005	31.7	58.9	15.9	20.4	19.2	32.6
2006	24.5	39.1	4.0	6.7	16.2	19.9
2007	26.7	45.9	3.1	5.9	33.7	50.1
2008[c/]	14.2	22.2	6.0	8.6	8.3	10.5

a/ Catch numbers may include some illegal harvest.
b/ Fewer than 50 fish.
c/ Preliminary.
d/ Salmon data from surveyed ports only. These generally include Astoria, Garibaldi, Depoe Bay, Newport, Winchester Bay, Coos Bay, and Brookings. Since 1981, Pacific City and Florence have also been included. Gold Beach data are included from 1981-1987. Astoria was not included in 1994.
e/ Numbers do not include angling from the Columbia River jetty.
f/ Numbers do not include angling from the Columbia River jetty or from the late-season state waters Area 4B fishery.
g/ Values for 1982-1985 include some inriver Columbia River fishing after closure of the ocean fishery.

TABLE IV-11. Estimates of California recreational ocean salmon angler trips (thousands) by port area and boat type.

Year or Avg.	Crescent City	Eureka	Fort Bragg	San Francisco	Monterey	State Total
			CHARTER TRIPS			
1976-1980	1.5	1.2	2.4	63.5	4.0	72.7
1981-1985	0.7	1.3	1.8	62.1	3.0	68.9
1986-1990	1.0	3.5	4.0	74.3	13.1	95.9
1991-1995	0.4	0.8	2.8	55.7	22.0	81.7
1996	a/	0.6	5.1	57.6	21.4	84.6
1997	-	0.8	2.2	69.1	30.6	102.7
1998	-	0.3	2.7	44.2	19.7	66.9
1999	-	0.4	2.3	51.0	8.9	62.6
2000	0.1	1.6	8.6	53.9	29.9	94.0
2001	a/	1.4	9.7	43.4	15.4	69.9
2002	-	1.6	10.7	54.9	19.4	86.6
2003	-	1.1	8.2	38.7	11.4	59.4
2004	0.1	1.9	10.7	63.4	21.5	97.7
2005	-	0.9	8.9	45.8	13.5	69.1
2006	-	0.7	6.9	29.2	8.0	44.9
2007	-	1.6	5.4	20.9	3.5	31.4
2008[b/]	-	-	0.1	-	-	0.1
			PRIVATE TRIPS			
1976-1980	18.4	22.7	9.3	34.4	6.0	90.8
1981-1985	22.4	21.8	7.8	16.8	9.3	78.1
1986-1990	38.6	34.4	11.4	24.3	36.1	144.8
1991-1995	13.9	14.0	17.6	37.1	49.3	131.9
1996	11.3	13.6	26.2	46.6	43.2	140.9
1997	6.6	11.6	18.0	42.1	53.5	131.7
1998	3.3	6.4	5.7	36.9	32.7	85.0
1999	5.8	11.6	7.9	38.8	20.3	84.4
2000	7.2	11.5	17.0	29.8	54.9	120.4
2001	8.6	14.7	21.1	28.1	22.7	95.2
2002	3.9	16.1	21.1	33.9	48.5	123.4
2003	2.2	12.5	15.5	27.9	17.1	75.3
2004	3.1	20.5	19.8	42.7	35.0	121.0
2005	2.5	13.9	15.4	39.0	32.2	103.0
2006	1.5	14.2	14.1	32.1	19.7	81.6
2007	2.1	16.8	11.7	22.2	21.7	74.5
2008[b/]	-	-	0.3	-	-	0.3
			TOTAL TRIPS			
1976-1980	20.0	23.9	11.7	97.9	10.0	163.5
1981-1985	23.1	23.1	9.6	78.9	12.2	147.0
1986-1990	39.6	37.9	15.4	98.6	49.2	240.7
1986-1990	14.3	14.8	20.4	92.8	71.2	213.6
1996	11.3	14.2	31.3	104.2	64.5	225.4
1997	6.6	12.4	20.2	111.2	84.0	234.4
1998	3.3	6.7	8.4	81.1	52.4	151.9
1999	5.8	12.0	10.2	89.8	29.2	147.0
2000	7.2	13.1	25.6	83.7	84.8	214.4
2001	8.6	16.0	30.8	71.5	38.2	165.1
2002	3.9	17.7	31.8	88.8	67.9	210.1
2003	2.2	13.6	23.7	66.6	28.5	134.6
2004	3.2	22.4	30.6	106.1	56.5	218.7
2005	2.5	14.8	24.3	84.8	45.7	172.1
2006	1.5	15.0	21.0	61.4	27.7	126.5
2007	2.1	18.4	17.1	43.1	25.2	105.9
2008[b/]	-	-	0.4	-	-	0.4

a/ Fewer than 50 angler trips.
b/ Preliminary.

TABLE IV-12. Estimates of Oregon recreational ocean salmon angler trips (thousands) by port area and boat type.

Year or Avg.	Astoria	Tillamook	Newport	Coos Bay	Brookings	State Total
			CHARTER TRIPS			
1979	18.5	2.8	26.7	22.7	3.0	73.7
1980	26.3	3.7	26.7	19.6	2.8	79.1
1981-1985	10.3	3.0	17.2	11.9	3.3	45.7
1986-1990	7.1	5.3	27.5	13.0	3.6	56.5
1991-1995[a/]	4.3	1.6	7.9	3.5	0.7	18.0
1996	1.9	0.8	2.1	0.1	0.6	5.6
1997	1.3	0.3	1.8	-	0.5	3.9
1998	0.4	0.1	0.8	0.2	0.3	1.8
1999	1.7	0.3	2.3	0.5	0.7	5.5
2000	1.2	0.6	4.8	2.3	0.8	9.8
2001	4.3	1.4	8.8	3.0	0.7	18.2
2002	3.1	1.6	7.1	3.5	0.3	15.7
2003	3.9	2.0	13.0	4.0	0.5	23.4
2004	3.0	2.5	11.1	3.8	0.6	21.1
2005	2.3	1.0	3.7	2.6	0.3	9.9
2006	2.1	0.6	3.0	2.0	0.3	8.0
2007	2.6	1.1	5.6	1.9	0.2	11.4
2008[b/]	0.7	0.1	0.9	0.1	0.1	1.9
			PRIVATE TRIPS			
1979	24.3	16.3	45.4	52.9	48.8	187.7
1980	20.1	29.3	56.6	65.2	47.7	218.9
1981-1985	15.6	27.1	40.4	51.8	53.0	187.9
1986-1990	10.6	23.7	47.1	48.4	54.8	184.5
1991-1995[a/]	8.5	12.0	17.0	22.4	22.0	82.0
1996	3.7	7.5	0.6	3.8	22.7	38.3
1997	2.3	3.4	0.6	3.9	16.1	26.4
1998	1.7	5.9	0.5	2.2	13.8	24.2
1999	5.7	10.9	5.0	7.1	15.1	43.8
2000	7.2	10.9	8.2	21.2	21.2	68.7
2001	19.0	15.1	14.8	28.1	25.4	102.4
2002	9.0	22.8	10.9	29.9	19.4	91.9
2003	15.4	26.0	26.5	38.9	14.3	121.1
2004	15.6	26.8	27.9	36.7	17.7	124.6
2005	11.0	11.1	9.7	22.1	12.3	66.1
2006	6.2	15.3	7.4	15.2	10.4	54.4
2007	9.8	20.0	15.2	21.0	10.9	76.9
2008[b/]	2.9	9.0	4.6	7.3	4.7	28.5
			TOTAL TRIPS			
1979	42.8	19.1	72.1	75.6	51.8	261.4
1980	46.4	33.0	83.3	84.8	50.5	298.0
1981-1985	26.0	30.0	57.5	63.7	56.3	233.5
1986-1990	17.7	29.0	74.6	61.4	58.4	241.0
1991-1995[a/]	12.8	13.6	24.9	26.0	22.7	100.0
1996	5.6	8.3	2.7	3.9	23.3	43.9
1997	3.6	3.7	2.4	3.9	16.6	30.3
1998	2.1	6.0	1.3	2.4	14.1	26.0
1999	7.4	11.2	7.3	7.6	15.8	49.3
2000	8.4	11.5	13.0	23.5	22.0	78.5
2001	23.3	16.5	23.6	31.1	26.1	120.6
2002	12.1	24.4	18.1	33.4	19.7	107.6
2003	19.3	28.0	39.6	42.9	14.8	144.5
2004	18.6	29.3	39.0	40.5	18.3	145.7
2005	13.3	12.1	13.4	24.6	12.6	76.0
2006	8.2	15.9	10.4	17.2	10.6	62.3
2007	12.4	21.0	20.8	23.0	11.1	88.3
2008[b/]	3.7	9.1	5.4	7.4	4.8	30.4

a/ The fishery north of Cape Falcon was closed in 1994, and it is assumed that no trips were taken out of Astoria into the south of Cape Falcon area. No samplers were stationed in Astoria.
b/ Preliminary.

TABLE IV-13. Estimates of Washington recreational ocean salmon angler trips (thousands) by port area and boat type.

Year or Avg.	Neah Bay[a/]	La Push	Westport	Ilwaco[b/]	State Total
		CHARTER TRIPS			
1984[c/]	0.3	-	11.6	18.0	29.9
1985[c/]	2.0	-	42.2	20.7	64.9
1986-1990	2.0	-	35.7	15.9	53.5
1991-1995	0.7	0.1	19.4	7.9	28.0
1996	0.2	d/	10.3	4.8	15.3
1997	0.1	0.1	10.0	2.4	12.5
1998	-	-	4.5	1.1	5.5
1999	0.5	0.1	11.5	5.5	17.5
2000	0.7	0.1	12.2	4.1	17.1
2001	1.4	0.3	25.6	13.9	41.2
2002	1.5	0.4	24.5	10.6	37.0
2003	2.0	0.9	27.3	14.3	44.5
2004	1.9	0.6	22.5	11.4	36.5
2005	1.2	0.6	20.5	9.4	31.7
2006	0.5	0.5	15.4	8.0	24.5
2007	0.6	0.4	15.7	10.1	26.7
2008[e/]	0.3	0.2	9.9	3.7	14.2
		PRIVATE TRIPS			
1984[c/]	8.3	0.2	2.3	36.0	46.8
1985[c/]	15.2	1.5	13.7	19.4	49.8
1986-1990	16.9	2.5	16.6	23.4	59.4
1991-1995	16.4	2.8	18.5	25.4	63.1
1996	9.1	1.3	5.2	7.9	23.5
1997	2.8	0.9	7.3	4.1	15.1
1998	-	0.6	3.5	2.6	6.8
1999	7.6	2.9	7.6	11.8	29.9
2000	7.3	1.8	7.7	11.1	27.9
2001	16.6	3.1	24.1	28.7	72.4
2002	12.2	3.0	16.9	25.3	57.4
2003	18.4	3.5	20.7	32.9	75.5
2004	24.2	3.9	15.7	29.3	73.1
2005	17.2	4.4	14.7	22.6	58.9
2006	12.9	3.6	9.1	13.5	39.1
2007	12.8	2.9	10.2	20.0	45.9
2008[e/]	5.3	1.9	8.8	6.3	22.2
		TOTAL TRIPS			
1984[c/]	8.6	0.2	13.9	54.0	76.7
1985[c/]	17.2	1.5	55.9	40.1	114.7
1986-1990	18.9	2.5	52.3	39.3	113.0
1991-1995	17.1	2.9	37.9	33.3	91.1
1996	9.3	1.3	15.5	12.7	38.8
1997	2.9	0.9	17.3	6.5	27.5
1998	-	0.6	8.0	3.7	12.3
1999	8.1	3.0	19.1	17.3	47.4
2000	7.9	2.0	19.8	15.2	45.0
2001	17.9	3.4	49.7	42.5	113.6
2002	13.7	3.4	41.4	35.9	94.4
2003	20.4	4.4	48.0	47.1	120.0
2004	26.1	4.6	38.2	40.6	109.5
2005	18.5	4.9	35.2	32.1	90.6
2006	13.4	4.1	24.5	21.5	63.6
2007	13.4	3.3	25.9	30.1	72.7
2008[e/]	5.6	2.1	18.7	10.0	36.4

a/ Does not include effort from the late-season state water Area 4B fishery.
b/ Does not include effort from the Columbia River Jetty.
c/ Values for 1984 and 1985 include some Columbia River fishing after closure of the ocean fishery.
d/ Fewer than 50 angler trips.
e/ Preliminary.

TABLE IV-14. Oregon and Washington recreational salmon, bottomfish, and sturgeon angler trips (thousands) by ocean port area and boat type for the area north of Cape Falcon. (Page 1 of 3)

	Columbia River and Buoy 10					Westport			La Push			Neah Bay and Area 4B Add-On		
Year	Charter	Private	Subtotal	Jetty	Total	Charter	Private	Total	Charter	Private	Total	Charter	Private	Total
							SALMON EFFORT							
1984	NA	NA	-	NA	54.0	11.6	2.3	13.9	0.0	0.2	0.2	0.3	8.3	8.6
1985	NA	NA	-	NA	90.3	42.2	13.7	55.9	0.0	1.5	1.5	2.0	15.2	17.2
1986	NA	NA	-	NA	144.3	36.6	14.8	51.4	0.0	1.7	1.7	2.4	17.4	19.8
1987	39.5	130.0	169.5	12.4	181.9	34.1	9.8	43.9	0.0	2.0	2.0	1.9	17.8	19.7
1988	34.5	154.4	188.9	16.9	205.8	23.5	13.9	37.4	0.0	2.8	2.8	2.0	14.8	16.8
1989	40.4	169.2	209.6	22.9	232.5	40.8	18.7	59.5	0.0	1.6	1.6	2.8	25.5	28.3
1990	32.8	128.7	161.5	5.7	167.2	43.4	25.9	69.3	0.0	4.2	4.2	3.0	30.8	33.8
1991	37.9	172.7	210.6	35.5	246.1	28.6	24.2	52.8	0.2	3.3	3.5	1.9	23.5	25.4
1992	22.3	116.6	138.9	28.4	167.3	28.1	25.6	53.7	0.2	2.3	2.5	1.1	18.6	19.7
1993	20.2	103.3	123.5	24.6	148.1	27.4	23.5	50.9	0.1	2.8	2.9	1.6	25.7	27.3
1994	0.5	6.3	6.8	3.6	10.4	-	-	-	-	-	-	-	-	-
1995	9.0	43.4	52.4	8.5	60.9	12.7	9.0	21.7	0.1	1.4	1.5	0.3	9.2	9.5
1996	7.3	26.8	34.1	7.5	41.6	10.3	5.2	15.5	a/	1.3	1.3	0.3	10.6	10.9
1997	8.4	53.0	61.3	7.4	68.7	10.0	7.3	17.3	0.1	0.9	0.9	0.2	4.6	4.8
1998	3.2	30.7	33.9	3.6	37.5	4.5	3.5	8.0	0.0	0.6	0.6	0.1	6.3	6.4
1999	8.7	63.9	72.6	6.2	78.8	11.5	7.6	19.1	0.1	2.9	2.9	0.5	7.6	8.1
2000	9.8	82.2	92.0	7.0	99.0	12.2	7.7	19.8	0.1	1.8	2.0	1.1	10.3	11.4
2001	22.5	165.0	187.5	17.0	204.5	25.6	24.1	49.7	0.3	3.1	3.4	1.4	16.8	18.1
2002	15.2	115.1	130.3	2.8	133.1	44.5	16.9	41.4	0.4	3.0	3.4	1.5	12.2	13.7
2003	19.3	133.3	152.7	7.2	159.8	27.3	20.7	48.0	0.9	3.5	4.4	2.0	18.4	20.4
2004	15.8	113.3	129.2	3.2	132.3	22.5	15.7	38.2	0.6	3.9	4.6	1.9	24.2	26.1
2005	12.0	88.5	100.5	c/	100.5	20.5	14.7	35.2	0.6	4.4	4.9	1.2	17.2	18.5
2006	10.4	59.8	70.2	1.7	71.9	15.4	9.1	24.5	0.5	3.6	4.1	0.5	12.9	13.4
2007	13.6	64.2	77.8	c/	77.8	15.7	10.2	25.9	0.4	2.9	3.3	0.6	12.8	13.4
2008[b/]	5.5	40.7	46.1	0.4	46.1	9.9	8.8	18.7	0.2	1.9	2.1	0.3	6.1	6.4

TABLE IV-14. Oregon and Washington recreational salmon, bottomfish, and sturgeon angler trips (thousands) by ocean port area and boat type for the area north of Cape Falcon. (Page 2 of 3)

	Columbia River and Buoy 10					Westport			La Push			Neah Bay and Area 4B Add-On		
Year	Charter	Private	Subtotal	Jetty	Total	Charter	Private	Total	Charter	Private	Total	Charter	Private	Total
						BOTTOMFISH EFFORT[d/]								
1984	2.1	0.1	2.2	-	-	12.4	0.5	12.9	0.0	0.0	0.0	1.8	12.3	14.1
1985	1.9	0.2	2.1	-	-	15.3	1.0	16.3	0.0	0.1	0.1	3.0	10.6	13.6
1986	1.7	0.2	1.9	-	-	19.6	0.8	20.4	0.0	0.2	0.2	3.5	11.4	14.9
1987	1.7	0.3	2.0	0.5	2.5	21.1	1.2	22.3	0.0	0.5	0.5	5.6	16.0	21.6
1988	2.1	0.2	2.3	0.8	3.1	24.4	1.1	25.5	0.0	0.7	0.7	5.7	14.8	20.5
1989	1.2	0.6	1.8	1.5	3.3	19.3	1.0	20.3	0.0	0.6	0.6	6.8	16.3	23.1
1990	1.4	0.3	1.7	2.4	4.1	21.8	0.8	22.6	0.0	0.8	0.8	6.4	18.1	24.5
1991	1.3	0.4	1.7	1.8	3.5	23.5	1.1	24.6	0.0	0.9	0.9	5.9	18.2	24.1
1992	1.4	0.5	1.9	2.3	4.1	20.5	2.2	22.7	0.0	1.5	1.5	4.8	19.1	23.9
1993	2.2	0.6	2.8	2.6	5.4	21.5	1.8	23.0	0.1	1.1	1.2	5.1	19.2	24.3
1994	2.7	0.7	3.3	2.7	6.0	26.0	1.7	27.7	0.2	1.9	2.1	4.1	15.0	19.1
1995	1.3	0.9	2.3	2.2	4.4	21.1	1.6	22.7	a/	1.6	1.6	4.1	19.2	23.3
1996[e/f/]	1.2	0.5	1.7	1.7	3.4	21.4	1.2	22.6	0.0	1.6	1.6	4.8	21.0	25.8
1997	1.2	0.7	2.0	2.5	4.4	19.2	1.4	20.6	0.0	2.2	2.2	4.9	22.7	27.7
1998	1.8	0.5	2.3	0.9	3.2	21.5	1.3	22.8	0.0	1.2	1.2	5.1	23.9	29.0
1999	1.0	0.5	1.5	0.5	2.0	17.1	1.2	18.3	0.1	1.0	1.1	4.5	20.3	24.9
2000	1.2	0.6	1.8	0.5	2.3	16.7	0.9	17.6	0.2	1.3	1.5	4.5	20.1	24.6
2001	2.8	0.4	3.2	0.9	4.1	13.9	1.2	15.1	0.3	0.9	1.2	4.7	16.5	21.2
2002	14.3	0.5	1.9	0.8	2.8	14.9	1.2	16.1	0.3	1.2	1.6	4.0	15.7	19.7
2003	2.4	0.5	2.9	0.9	3.8	16.3	1.8	18.2	1.0	2.5	3.6	5.2	21.4	26.6
2004	2.4	0.8	3.2	0.3	3.5	14.8	1.7	16.5	0.4	1.7	2.1	3.5	15.2	18.7
2005	2.5	1.1	3.7	c/	3.7	15.5	1.8	17.3	0.5	2.5	3.0	3.5	18.8	22.4
2006	3.6	1.2	4.9	0.9	5.7	17.7	1.8	19.5	0.3	2.8	3.1	4.4	16.9	21.3
2007	3.1	1.5	4.6	c/	4.6	16.2	1.6	17.7	0.5	2.5	3.0	4.3	15.7	20.0
2008[b/]	2.9	2.0	4.9	0.4	4.9	15.5	1.7	17.2	1.0	2.3	3.3	2.3	16.2	18.5

TABLE IV-14. Oregon and Washington recreational salmon, bottomfish, and sturgeon angler trips (thousands) by ocean port area and boat type for the area north of Cape Falcon. (Page 3 of 3)

	Columbia River and Buoy 10					Westport			La Push			Neah Bay and Area 4B Add-On		
Year	Charter	Private	Subtotal	Jetty	Total	Charter	Private	Total	Charter	Private	Total	Charter	Private	Total
						STURGEON EFFORT[g/]								
1984	1.7	28.4	30.1	-	30.1	-	-	-	-	-	-	-	-	-
1985	5.0	31.2	36.2	-	36.2	-	-	-	-	-	-	-	-	-
1986	5.7	35.7	41.4	-	41.4	-	-	-	-	-	-	-	-	-
1987	6.0	43.2	49.2	-	49.2	-	-	-	-	-	-	-	-	-
1988	6.2	32.4	38.5	-	38.5	-	-	-	-	-	-	-	-	-
1989	4.3	22.0	26.3	-	26.3	-	-	-	-	-	-	-	-	-
1990	3.9	28.0	31.9	-	31.9	-	-	-	-	-	-	-	-	-
1991	3.6	26.0	29.7	-	29.7	-	-	-	-	-	-	-	-	-
1992	5.0	38.3	43.3	-	43.3	-	-	-	-	-	-	-	-	-
1993	6.1	48.6	54.6	-	54.6	-	-	-	-	-	-	-	-	-
1994	7.5	40.4	47.8	-	47.8	-	-	-	-	-	-	-	-	-
1995	7.7	55.2	62.9	-	62.9	-	-	-	-	-	-	-	-	-
1996	11.1	45.2	56.3	-	56.3	-	-	-	-	-	-	-	-	-
1997	12.2	48.4	60.7	-	60.7	-	-	-	-	-	-	-	-	-
1998	14.2	64.3	78.5	-	78.5	-	-	-	-	-	-	-	-	-
1999	13.2	57.1	70.3	-	70.3	-	-	-	-	-	-	-	-	-
2000	11.6	52.1	63.7	-	63.7	-	-	-	-	-	-	-	-	-
2001	10.8	40.9	51.7	-	51.7	-	-	-	-	-	-	-	-	-
2002	9.9	45.9	55.8	-	55.8	-	-	-	-	-	-	-	-	-
2003	6.6	38.1	44.7	-	44.7	-	-	-	-	-	-	-	-	-
2004	7.4	32.2	39.6	-	39.6	-	-	-	-	-	-	-	-	-
2005	8.7	51.2	59.9	-	59.9	-	-	-	-	-	-	-	-	-
2006	6.7	37.3	44.0	-	44.0	-	-	-	-	-	-	-	-	-
2007	7.9	39.8	47.7	-	47.7	-	-	-	-	-	-	-	-	-
2008[b/]	7.5	38.5	46.0	-	46.0	-	-	-	-	-	-	-	-	-

a/ Fewer than 50 angler trips.
b/ Preliminary.
c/ Columbia River north jetty was not sampled in 2005 and 2007 due to construction limiting access.
d/ Oregon data is a minimum estimate, as the jetty is not sampled, and bottomfish sampling of vessels only occurs when the ocean is open for salmon.
e/ No Oregon bottomfish trips are included.
f/ Includes tuna trips: Ilwaco - 9 charter, 14 private; Westport - 784 charter, 0 private.
g/ Annual sturgeon angler trips for the lower Columbia River from the western tip of Puget Island to mouth.

TABLE IV-15. Buoy 10[a/b/] and Area 4B add-on recreational salmon angler trips and catch by boat type. (Page 1 of 2)

	Angler Trips			Chinook Catch			Coho Catch			Pink Catch	
Year or Avg.	Charter	Private	Jetty	Charter	Private	Jetty	Charter	Private	Jetty	Charter	Private
					OREGON BUOY 10						
1987-1990	4,002	38,619	4,029	793	6,415	29	3,292	18,348	690	-	-
1991-1995	1,528	21,547	4,555	122	1,318	30	1,625	14,520	1,389	-	-
1996	179	6,122	2,285	59	419	-	66	1,361	532	-	-
1997	1,071	16,207	2,744	273	4,032	-	592	5,411	761	-	-
1998	588	9,949	631	145	2,191	-	59	1,169	31	-	-
1999	454	19,030	1,370	125	3,834	9	18	3,357	146	-	-
2000	836	27,492	2,129	26	3,083	4	297	7,523	295	-	-
2001	1,616	54,444	4,115	47	5,578	10	1,481	56,403	523	-	-
2002	512	39,943	1,589	31	10,728	-	2	3,058	52	-	-
2003	991	45,461	2,315	47	7,903	-	624	28,518	526	-	-
2004	66	33,092	1,170	19	9,191	-	17	7,585	47	-	-
2005	135	33,051	935	18	6,875	6	51	4,785	36	-	-
2006	37	24,194	1,457	1	1,350	-	-	2,800	-	-	-
2007	156	19,983	793	6	2,511	-	38	4,841	97	-	-
2008[c/]	198	19,020	-	43	5,608	-	69	4,487	-	-	-
					WASHINGTON BUOY 10						
1987-1990	10,678	71,927	6,567	1,907	14,398	68	8,353	40,415	1,627	1	11
1991-1995	4,162	41,770	5,908	466	3,710	42	5,178	31,681	1,426	-	16
1996	352	9,096	-	37	894	-	123	2,455	-	-	-
1997	3,614	30,334	1,755	1,125	7,701	22	2,143	11,290	160	-	-
1998	1,080	16,388	1,362	333	3,075	40	188	1,584	44	-	-
1999	1,055	27,672	-	185	5,697	-	175	5,165	-	-	-
2000	3,685	36,268	2,108	286	2,626	60	2,123	11,033	207	-	-
2001	2,765	62,944	-	-	6,791	-	3,282	70,349	-	-	-
2002	1,001	40,927	485	232	8,424	26	98	3,023	-	-	-
2003	216	39,844	-	22	8,344	-	139	24,633	-	-	-
2004	685	33,805	-	45	6,791	-	139	7,381	-	-	-
2005	183	20,879	-	5	2,383	-	34	1,972	-	-	-
2006	421	14,597	-	5	351	-	8	879	-	-	-
2007	711	14,421	-	33	1,226	-	343	3,037	-	-	-
2008[c/]	804	12,445	-	154	2,544	-	436	3,581	-	-	-

TABLE IV-15. Buoy 10[a/b/] and Area 4B add-on recreational salmon angler trips and catch by boat type. (Page 2 of 2)

	Angler Trips			Chinook Catch			Coho Catch			Pink Catch	
Year or Avg.	Charter	Private	Jetty	Charter	Private	Jetty	Charter	Private	Jetty	Charter	Private
TOTAL BUOY 10											
1987-1990	14,680	110,547	10,596	2,700	20,812	98	11,645	58,763	2,317	1	11
1991-1995	5,690	63,317	10,463	588	5,029	72	6,803	46,201	2,814	0	16
1996	531	15,218	2,285	96	1,313	0	189	3,816	532	0	0
1997	4,685	46,541	4,499	1,398	11,733	22	2,735	16,701	921	0	0
1998	1,668	26,337	1,993	478	5,266	40	247	2,753	75	0	0
1999	1,509	46,702	1,370	310	9,531	9	193	8,522	146	0	0
2000	4,521	63,760	4,237	312	5,709	64	2,420	18,556	502	0	0
2001	4,381	117,388	4,115	47	12,369	10	4,763	126,752	523	0	0
2002	1,513	80,870	2,074	263	19,152	26	100	6,081	52	0	0
2003	1,207	85,305	2,315	69	16,247	0	763	53,151	526	0	0
2004	751	66,897	1,170	64	15,982	0	156	14,966	47	0	0
2005	318	53,930	935	23	9,258	6	85	6,757	36	0	0
2006	458	38,791	1,457	6	1,701	0	8	3,679	0	0	0
2007	867	34,404	793	39	3,737	0	381	7,878	97	0	0
2008[c/]	1,002	31,465	0	197	8,152	0	505	8,068	0	0	0
TOTAL AREA 4B ADD-ON[d/]											
1989-1990	1,084	10,941	-	62	375	-	2,095	18,021	-	36	212
1991-1995	343	5,481	-	9	122	-	580	7,351	-	58	776
1996	36	1,511	-	-	5	-	61	2,266	-	-	-
1997	136	1,788	-	-	4	-	65	1,429	-	139	412
1998	71	6,296	-	5	98	-	125	7,937	-	-	3
1999[e/]	-	-	-	-	-	-	-	-	-	-	-
2000	373	3,046	-	-	8	-	614	3,796	-	-	-
2001[f/]	-	-	-	-	-	-	-	-	-	-	-
2002[f/]	-	-	-	-	-	-	-	-	-	-	-
2003[f/]	-	-	-	-	-	-	-	-	-	-	-
2004[f/]	-	-	-	-	-	-	-	-	-	-	-
2005[f/]	-	-	-	-	-	-	-	-	-	-	-
2006[e/]	-	-	-	-	-	-	-	-	-	-	-
2007[f/]	-	-	-	-	-	-	-	-	-	-	-
2008[c/]	-	782	-	-	11	-	-	137	-	-	-

a/ Starting in 2000, includes catch upstream from the Astoria-Megler Bridge to the new boundary line from Tongue Point, Oregon to Rocky Point, Washington.
b/ Prior to 1987, data on charter and private anglers were combined. Total Buoy 10 catch and effort data prior to 1987 are provided in Table B-21.
c/ Preliminary.
d/ There was no Area 4B add-on fishery prior to 1989.
e/ There was no Area 4B add-on fishery opening because the Area 4 ocean quota was not attained.
f/ There was no Area 4B add-on fishery planned.

TABLE IV-16. Estimates of California coastal community and state personal income impacts in thousands of real (2008) dollars of the troll and recreational ocean salmon fishery for major port areas.[a/]

Year or Avg.	Crescent City	Eureka	Fort Bragg	San Francisco	Monterey	Coastal Community Total[b/]	State Total
			OCEAN TROLL[c/]				
1976-1980	6,481	16,463	16,143	21,177	9,089	69,354	89,162
1981-1985	3,284	3,961	9,271	17,501	5,963	39,981	49,777
1986-1990	1,237	3,061	16,285	31,623	11,825	64,030	78,582
1991-1995	10	145	1,024	11,908	6,784	19,872	23,947
1996-2000	11	173	724	12,480	7,566	20,954	22,170
2001	14	294	972	10,212	2,160	13,652	14,170
2002	257	492	3,501	14,564	3,922	22,736	24,152
2003	207	36	14,211	14,807	2,336	31,597	35,142
2004	1,820	402	6,960	21,867	4,922	35,970	36,727
2005	136	409	5,073	12,633	6,630	24,881	25,504
2006	-	-	2,311	5,976	908	9,195	9,494
2007	310	770	3,182	7,595	1,548	13,406	13,645
2008[d/]	-	-	-	-	-	-	-
			RECREATIONAL				
1976-1980	1,260	1,461	851	12,786	856	17,214	19,310
1981-1985	1,380	1,423	682	11,323	904	15,712	17,686
1986-1990	2,338	2,437	1,188	13,839	3,719	23,521	27,411
1991-1995	848	913	1,379	11,706	5,606	20,452	24,012
1996-2000	393	723	1,408	11,736	5,155	19,415	22,587
2001	337	732	1,976	7,126	2,868	13,038	14,026
2002	150	814	2,089	8,952	4,410	16,415	17,627
2003	85	613	1,578	6,476	2,131	10,882	11,656
2004	128	1,028	2,046	10,486	4,132	17,820	19,057
2005	97	650	1,654	7,907	3,002	13,311	14,263
2006	57	642	1,363	5,352	1,807	9,221	9,936
2007	81	838	1,100	3,795	1,315	7,129	7,741
2008[d/]	-	-	25	-	-	25	29

a/ Per pound and per day estimates of income impacts provided from output of the Fishery Economic Assessment Model (FEAM). These are the income impacts associated with expenditures in the troll or recreational sectors. There is no differentiation between money new to the area and money which would otherwise have been expended in other sectors. It is assumed that all fish landed at a port is processed in the port area. Values through 1995 are based on a 1992 run of the FEAM using 1989 U.S. Forest Service IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 U.S. Forest Service IMPLAN data. Beginning in 2001 values are based on a 2003 run of the FEAM using 1998 U.S. Forest Service IMPLAN data.

b/ Total personal income impacts on coastal areas. Totals do not include impacts of one coastal area on another.
c/ Excluding pink salmon.
d/ Preliminary.

TABLE IV-17. Estimates of Oregon coastal community and state personal income impacts in thousands of real (2008) dollars of the troll and recreational ocean salmon fishery for major port areas.[a/]

Year or Avg.	Astoria	Tillamook	Newport	Coos Bay	Brookings	Coastal Community Total[b/]	State Total
			OCEAN TROLL[c/]				
1976-1980	4,161	5,356	12,563	19,334	8,038	49,452	67,048
1981-1985	1,348	1,734	4,068	7,174	3,114	17,439	23,699
1986-1990	623	3,635	8,089	15,592	2,955	30,894	41,723
1991-1995	87	678	2,778	1,350	137	5,031	6,783
1996-2000	145	284	2,942	1,699	410	5,480	6,678
2001	362	739	5,537	2,909	597	10,144	12,348
2002	1,035	876	4,731	4,182	756	11,581	14,025
2003	1,012	917	6,117	5,561	655	14,262	17,257
2004	853	682	6,035	6,566	1,406	15,542	16,796
2005	706	1,176	5,026	4,979	1,179	13,065	14,118
2006	923	574	1,509	407	354	3,767	4,041
2007	272	386	628	1,830	728	3,844	4,126
2008[d/]	301	149	-	-	57	506	533
			RECREATIONAL				
1979	3,495	1,116	5,315	5,382	2,590	17,898	23,076
1980	4,220	1,854	5,868	5,640	2,518	20,099	25,886
1981-1985	2,060	1,661	3,968	4,047	2,816	14,552	18,891
1986-1990	1,410	1,764	5,491	4,000	2,932	15,597	20,305
1991-1995	958	771	1,746	1,559	1,101	6,135	7,955
1996-2000	371	425	419	462	888	2,565	3,382
2001	1,331	717	1,692	1,419	990	6,148	7,536
2002	776	1,017	1,334	1,555	729	5,412	6,661
2003	1,133	1,177	2,668	1,943	572	7,493	9,217
2004	1,017	1,279	2,464	1,836	707	7,304	8,995
2005	738	528	837	1,141	472	3,716	4,554
2006	530	622	658	816	401	3,026	3,719
2007	744	844	1,276	1,021	411	4,296	5,281
2008[d/]	214	332	277	277	178	1,278	1,573

a/ Per pound and per day estimates of income impacts provided by the FEAM. These are the income impacts associated with expenditures in the troll or recreational sectors. There is no differentiation between money new to the area and money which would otherwise have been expended in other sectors. It is assumed that all fish landed at a port is processed in the port area. Values through 1995 are based on a 1992 run of the FEAM using 1989 U.S. Forest Service IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 U.S. Forest Service IMPLAN data. Beginning in 2001 values are based on a 2003 run of the FEAM using 1998 U.S. Forest Service IMPLAN data.

b/ Total personal income impacts on coastal areas. Totals do not include impacts of one coastal area on another.

c/ Excluding pink salmon.

d/ Preliminary.

TABLE IV-18. Estimates of Washington coastal community and state personal income impacts in thousands of real (2008) dollars of the troll and recreational ocean salmon fishery for major port areas.[a/]

Year or Avg.	Neah Bay	La Push	Westport	Ilwaco[b/]	Coastal Community Total[c/d/]	Puget Sound	State Total
			OCEAN TROLL[e/f/]				
1976-1980	6,008	8,203	16,264	5,824	36,300	8,086	57,910
1981-1985	1,181	478	4,458	1,066	7,184	1,726	11,292
1986-1990	654	172	2,051	446	3,324	1,001	5,445
1991-1995[g/]	482	107	686	49	1,325	193	1,951
1996-2000	162	3	196	19	380	100	523
2001	297	0	617	41	956	0	1,034
2002	612	80	1,073	179	1,943	0	2,142
2003	1,110	187	916	134	2,348	42	2,722
2004	817	258	1,015	99	2,189	26	2,530
2005	670	400	1,030	127	2,226	1	2,515
2006	498	403	387	260	1,548	33	1,832
2007	219	223	912	113	1,467	19	1,632
2008	112	124	424	104	765	10	855
			RECREATIONAL				
1976-1980	2,218	1,100	22,065	10,801	36,185	-	48,367
1981-1985	1,342	137	8,682	4,462	14,623	-	19,573
1986-1990	1,030	118	4,927	2,656	8,730	-	11,640
1991-1995	547	107	3,041	1,542	5,237	-	6,942
1996-2000	290	79	1,424	697	2,489	-	3,291
2001	749	152	5,568	3,528	9,997	-	11,679
2002	637	163	5,129	2,808	8,737	-	10,208
2003	926	259	5,777	3,742	10,704	-	12,522
2004	1,085	230	4,713	3,089	9,116	-	10,689
2005	744	233	4,301	2,501	7,779	-	9,109
2006	488	205	3,176	1,944	5,813	-	6,804
2007	498	159	3,259	2,541	6,456	-	7,548
2008	216	95	2,143	905	3,360	-	3,926

a/ Per pound and per recreational day estimates of income impacts provided by the FEAM. These are the income impacts associated with expenditures in the troll or recreational sectors. There is no differentiation between money new to the area and money which would otherwise have been expended in other sectors. It is assumed that all fish landed at a port is processed in the port area. Values through 1995 are based on a 1992 run of the FEAM using 1989 U.S. Forest Service IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 U.S. Forest Service IMPLAN data. Beginning in 2001 values are based on a 2003 run of the FEAM using 1998 U.S. Forest Service IMPLAN data.

b/ Recreational values exclude recreational shorebased effort from the Columbia River north jetty.

c/ Total personal income impacts on coastal areas. Totals do not include impacts of one coastal area on another.

d/ Through 1993, commercial values include a very small amount of fish landed in Washington coastal areas not included in the major port groups.

e/ Excluding pink salmon.

f/ All commercial values in this table are based on preliminary information available at the start of each year's Salmon Review.

g/ The non-Indian commercial and recreational fisheries were closed north of Cape Falcon in 1994. Some commercial catch taken south of Cape Falcon was landed in the Puget Sound area.

TABLE IV-19. Local personal income impacts in real (2008) dollars of the inriver commercial salmon fishery on Oregon and Washington Columbia River communities.[a/]

Fishery	Species	1987-2002	2003	2004	2005	2006	2007	2008[b/]
				OREGON				
Non-Indian[c/]	Chinook							
Gillnet	Spring	968	868	2,106	633	1,145	1,298	1,030
	Fall Brights	2,623	1,373	1,397	1,014	1,316	722	1,960
	Tules	259	206	297	177	86	-	-
	Coho	1,826	2,748	1,694	1,854	1,243	500	1,267
	Chum	1	-	1	d/	d/	d/	d/
	TOTAL	5,677	5,195	5,495	3,678	3,790	2,521	4,258
Treaty Indian[e/]	Chinook							
All Gears	Spring	12	11	351	-	1	119	573
	Fall Brights	1,144	45	1,434	535	713	694	1,765
	Tules	82	-	345	81	14	-	-
	Coho	11	-	54	1	29	30	101
	TOTAL	1,249	56	2,183	617	757	842	2,438
				WASHINGTON[b/f/]				
Non-Indian	Chinook							
Gillnet	Spring	445	166	553	440	617	164	419
	Fall[g/]	1,104	960	1,110	786	890	446	961
	Coho	812	1,487	868	429	544	405	531
	Chum	2	d/	d/	d/	-	d/	1
	TOTAL	2,363	2,613	2,531	1,655	2,051	1,015	1,912
Treaty Indian[e/]	Chinook							
All Gears[h/]	Spring	107	407	410	266	889	1	1,733
	Fall[g/]	2,184	2,354	1,631	2,684	2,944	2,551	3,561
	Coho	35	28	59	48	76	127	347
	TOTAL	2,327	2,789	2,100	2,998	3,910	2,679	5,641
GRAND TOTAL								
Non-Indian		8,040	7,808	8,025	5,333	5,841	3,536	6,170
Treaty Indian		3,576	2,845	4,283	3,615	4,667	3,521	8,079
Columbia River		11,617	10,653	12,308	8,948	10,507	7,057	14,249

a/ Excluding pink, sockeye, and steelhead. Values through 1995 are based on a 1992 run of the FEAM using 1989 U.S. Forest Service IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 U.S. Forest Service IMPLAN data. Beginning in 2001 values are based on a 2003 run of the FEAM using 1998 U.S. Forest Service IMPLAN data.

b/ Preliminary. (All Washington values in this table are based on preliminary information available when each year's Salmon Review is drafted.)

c/ Mainstem below Bonneville and Select Areas (Youngs Bay, Tongue Point, Blind Slough, and Deep River).

d/ Less than $500.

e/ Treaty Indian values do not include direct sales to consumers.

f/ Washington income impacts for years prior to 2000 are based on a combination of Washington and Oregon value information.

g/ Includes fall brights, tules, and jacks.

h/ Primarily mainstem Columbia set gillnet but also Includes Klickitat dipnet, Drano Lake (Little White Salmon River mouth), and Priest Rapids Pool fisheries.

TABLE IV-20. Local personal income impacts in real (2008) dollars of the Buoy 10 recreational fishery in Oregon and Washington and the Area 4B add-on fishery in Washington.

Year	Total Angler Trips (thousands)	Income Impacts (thousands of dollars) Oregon	Washington	Total
		BUOY 10 (including bank fishing)		
1987-1990	136	2,607	4,545	7,151
1991-1995	79	1,482	2,522	4,005
1996-2000	45	950	1,299	2,249
2001	126	2,453	2,590	5,044
2002	84	1,650	1,552	3,202
2003	89	1,955	1,354	3,309
2004	69	1,311	1,242	2,553
2005	55	1,310	722	2,032
2006	41	980	560	1,539
2007	36	811	608	1,419
2008 b/	32	751	560	1,311
		AREA 4B ADD-ON c/		
1989-1990	12	-	644	644
1991-1995	6	-	300	300
1996-2000	3	-	135	135
2001	-	-	-	-
2002	-	-	-	-
2003	-	-	-	-
2004	-	-	-	-
2005	-	-	-	-
2006	-	-	-	-
2007	-	-	-	-
2008	1	-	30	30

a/ Values through 1995 are based on a 1992 run of the FEAM using 1989 U.S. Forest Service IMPLAN data. Values from 1996 through 2000 are based on a 1998 run of the FEAM using 1996 U.S. Forest Service IMPLAN data. Beginning in 2001 values are based on a 2003 run of the FEAM using 1998 U.S. Forest Service IMPLAN data.
b/ Preliminary
c/ There were no Area 4B add-on fisheriew prior to 1989.

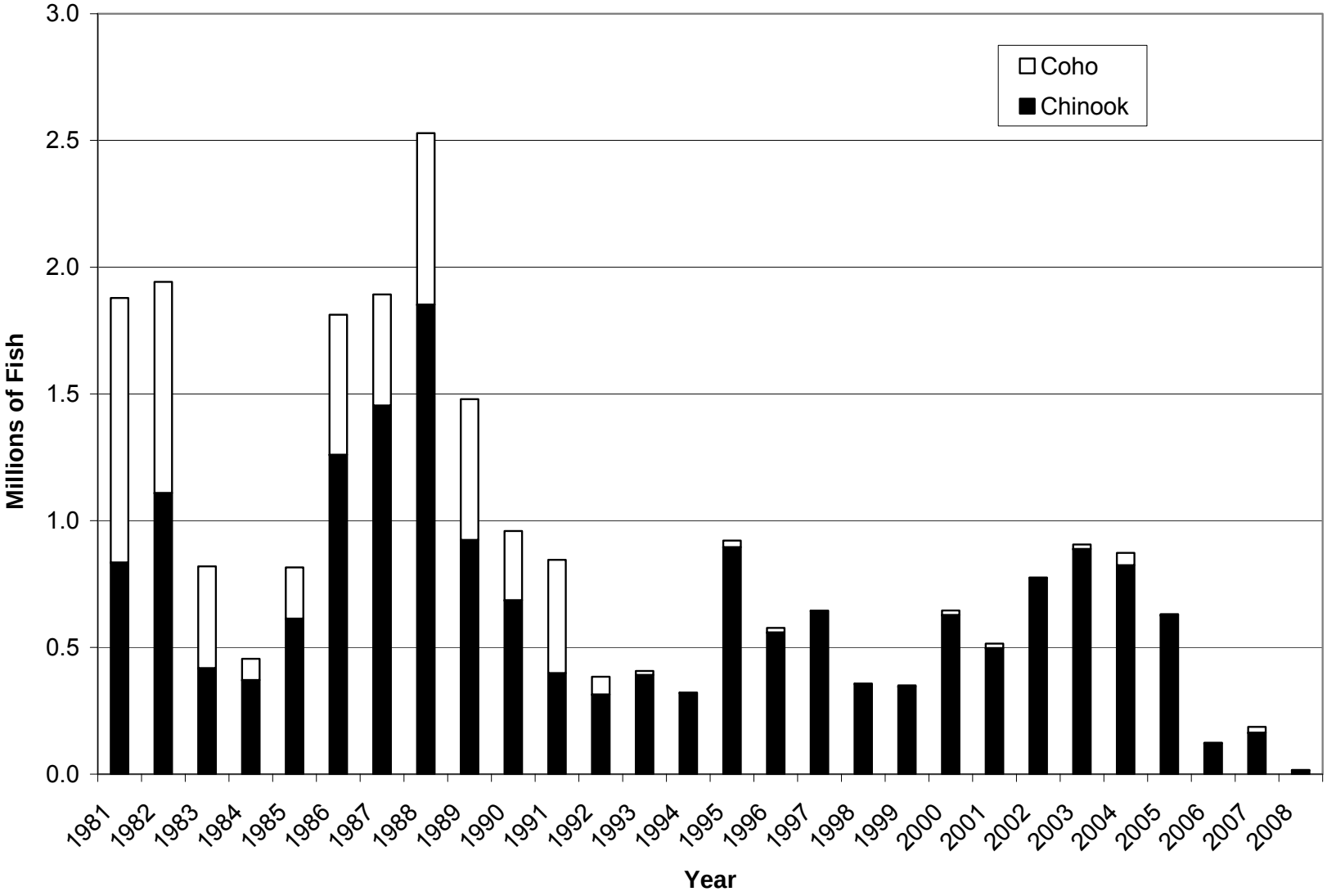

Figure IV-1. West Coast ocean non-Indian commercial Chinook and coho harvest.

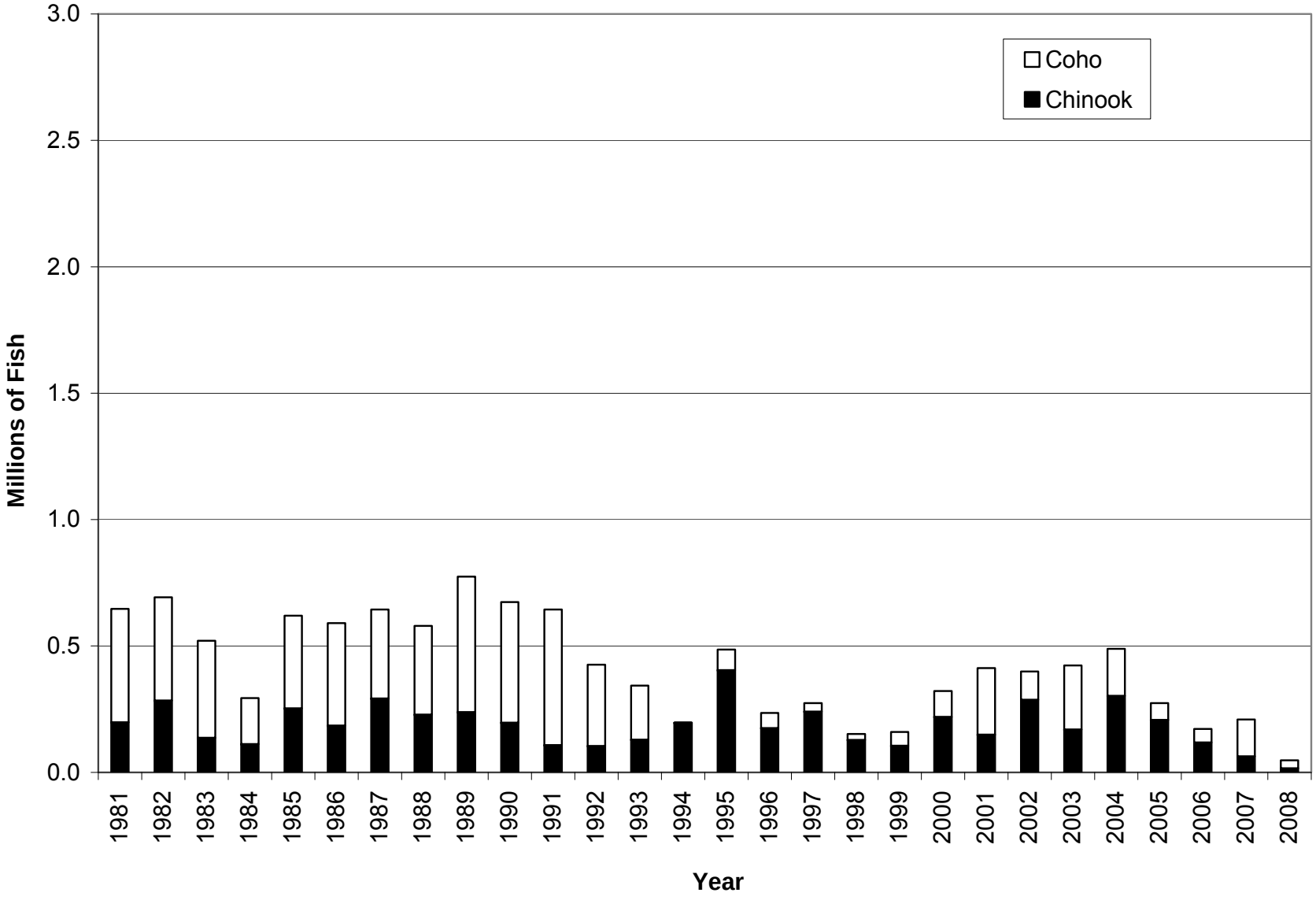

Figure IV-2. West Coast ocean recreational Chinook and coho harvest.

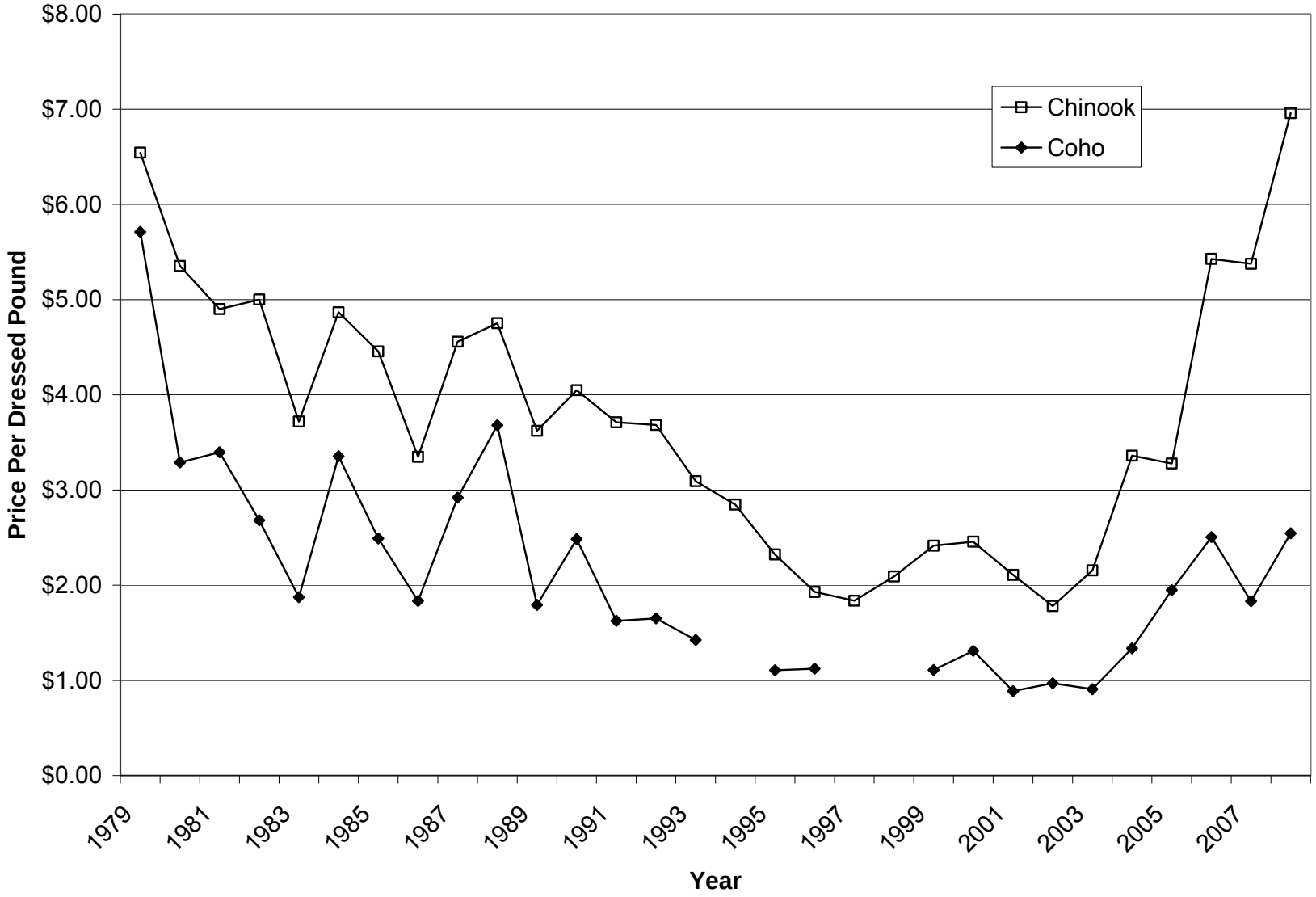

Figure IV-3. West Coast non-Indian ocean commercial salmon annual exvessel prices (2008 dollars).

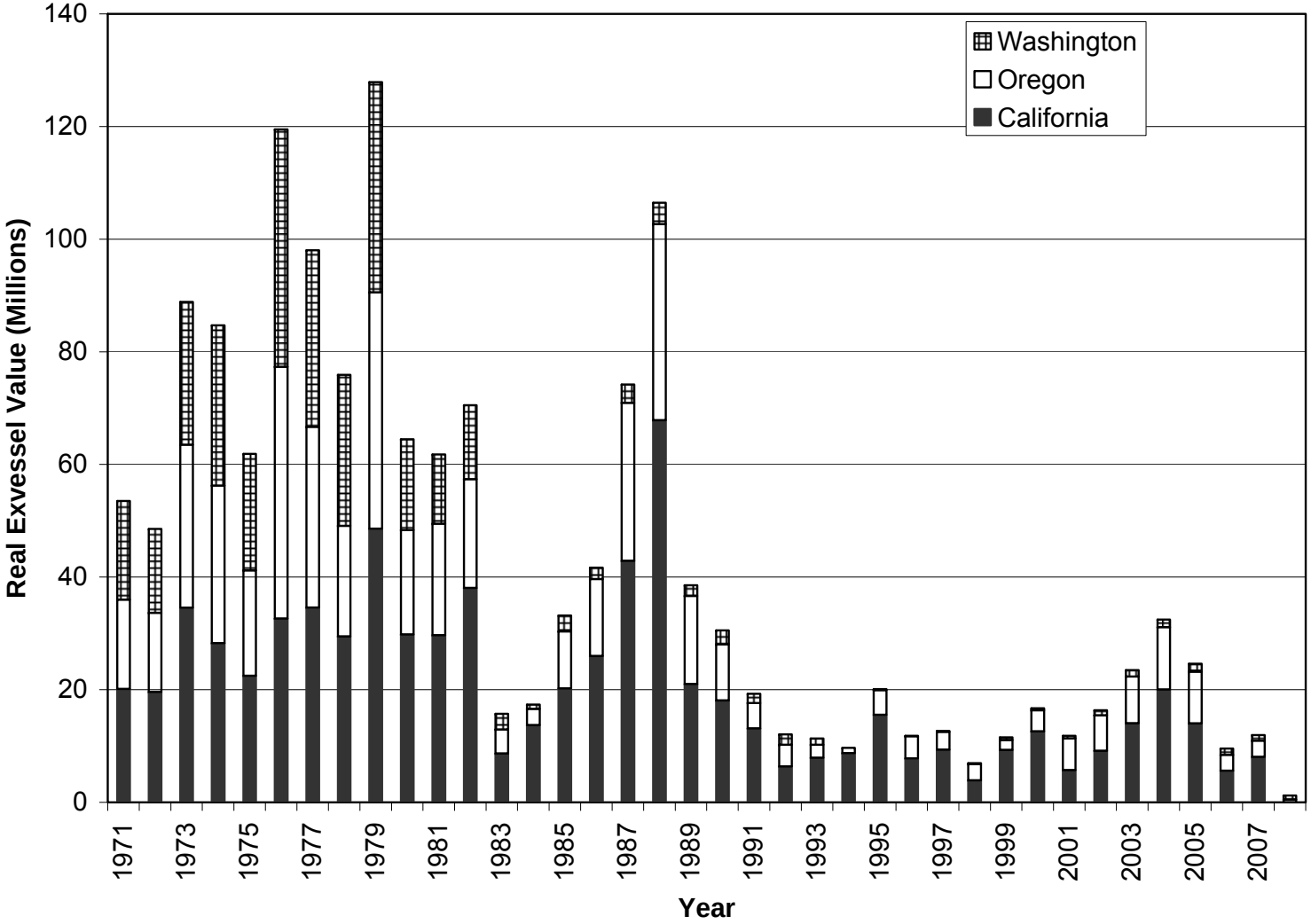

Figure IV-4. Exvessel value of West Coast non-Indian ocean commercial Chinook and coho landings by state of landing (2008 dollars).

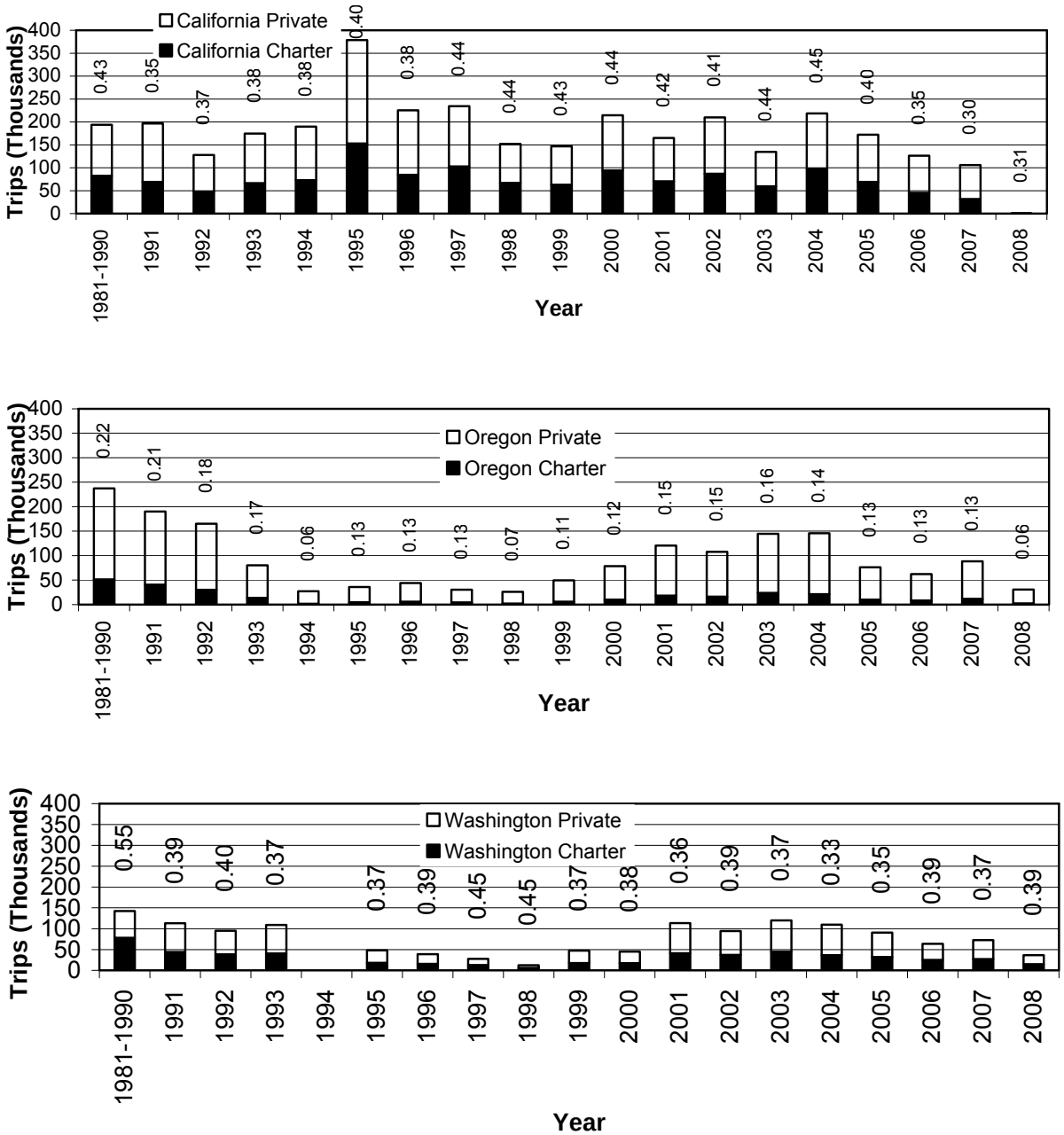

Figure IV-5. Total recreational ocean salmon trips for California, Oregon, and Washington, with proportion of charter trips shown above each bar.

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APPENDIX A
HISTORICAL RECORD OF OCEAN SALMON FISHERY EFFORT AND LANDINGS

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TABLE A-1. Summary of California commercial troll salmon fishing effort in days fished and landings in numbers of fish by catch area. (Page 1 of 2)

Year or Avg.	Crescent City[a/]	Eureka	Fort Bragg	San Francisco	Monterey	Oregon	Season
			DAYS FISHED				
1978-1980[b/]	18,370	20,654	23,483	22,622	17,277	0	102,405
1981-1985	8,076	8,463	13,716	21,892	10,958	0	63,104
1986-1990	851	2,477	16,392	25,555	14,391	12	59,677
1991-1995	-	600	4,475	13,340	10,820	0	29,235
1996	21	415	2,100	8,100	10,525	0	21,161
1997	0	106	300	9,500	9,050	0	18,956
1998	0	164	300	8,300	5,800	0	14,564
1999	29	207	200	10,700	5,225	0	16,361
2000	23	119	1,079	11,131	8,101	0	20,453
2001	18	297	816	8,951	3,759	0	13,841
2002	171	426	2,124	9,145	5,529	8	17,403
2003	50	55	6,296	6,770	2,744	26	15,941
2004	35	262	5,584	10,856	4,769	227	21,733
2005	58	266	1,455	8,670	6,569	-	17,018
2006	-	-	434	5,488	2,337	-	8,259
2007	87	270	1,400	6,736	2,178	-	10,671
2008	-	-	-	-	-	-	-
			CHINOOK				
1978-1980	44,259	166,282	143,867	174,684	89,545	0	618,637
1981-1985	48,548	61,130	109,258	181,548	84,103	0	484,587
1986-1990	13,997	32,329	252,416	351,115	144,846	1,064	795,767
1991-1995	-	4,700	17,354	200,588	126,517	-	349,159
1996	254	8,821	22,930	167,379	181,467	0	380,851
1997	0	1,424	3,776	253,484	228,731	0	487,415
1998	0	2,501	2,882	126,120	95,433	0	226,936
1999	125	2,375	2,283	180,960	78,709	0	264,452
2000	251	1,776	30,773	250,368	197,184	0	480,352
2001	223	5,300	14,993	136,630	35,940	0	193,086
2002	3,663	9,008	65,336	242,872	69,980	796	391,655
2003	1,356	688	248,875	202,876	36,099	2,000	491,894
2004	565	5,695	107,259	298,229	64,707	25,655	502,110
2005	1,255	5,799	45,869	170,531	117,408	-	340,862
2006	-	-	10,835	47,689	11,204	-	69,728
2007	2,367	6,395	16,116	75,254	14,009	-	114,141
2008	-	-	-	-	-	-	-

TABLE A-1. Summary of California commercial troll salmon fishing effort in days fished and landings in numbers of fish by catch area. (Page 2 of 2)

Year or Avg.	Crescent City[b/]	Eureka	Fort Bragg	San Francisco	Monterey	Oregon	Season
				COHO			
1978-1980	72,133	90,024	29,918	20,778	9,418	0	222,270
1981-1985	20,094	23,675	14,628	7,728	1,356	0	67,480
1986-1990	3,795	5,998	26,000	9,377	1,611	39	46,819
1991-1995	-	3,100	4,500	26,900	11,775	-	46,275
1996	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-
1998	-	-	-	-	-	-	-
1999	-	-	-	-	-	-	-
2000	-	-	-	-	-	-	-
2001	-	-	-	-	-	-	-
2002	-	-	-	-	-	-	-
2003	-	-	-	-	-	-	-
2004	-	-	-	-	-	-	-
2005	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-

a/ Includes minor effort off Oregon for fish landed in California prior to 1986.

b/ Data not available prior to 1978.

TABLE A-2. California commercial troll salmon fishing effort in days fished by port area and month. (Page 1 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
Crescent City[a/]								
1978-1980	56	2,043	4,261	6,285	5,025	756	-	18,370
1981-1985	-	1,363	961	1,947	2,509	1,295	-	8,076
1986-1990	-	9	360	219	253	10	-	851
1991-1995	-	-	-	-	-	-	-	-
1996	-	-	-	-	10	11	-	21
1997	-	-	-	-	-	0	-	0
1998	-	-	-	-	-	0	-	0
1999	-	-	-	-	-	29	-	29
2000	-	-	-	-	-	23	-	23
2001	-	-	-	-	-	18	-	18
2002	-	-	-	-	27	146	6	179
2003	14	2	4	-	-	50	6	76
2004	22	-	2	36	167	35	-	262
2005	-	-	-	-	-	58	-	58
2006	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	87	-	87
2008	-	-	-	-	-	-	-	-
Eureka								
1978-1980	264	5,684	7,152	4,083	2,323	1,411	-	20,654
1981-1985	-	2,029	1,075	2,608	1,931	821	-	8,463
1986-1990	-	-	882	518	547	467	64	2,477
1991-1995	-	-	-	-	-	500	100	600
1996	-	-	-	-	128	287	-	415
1997	-	-	-	-	-	106	-	106
1998	-	-	-	-	-	164	-	164
1999	-	-	-	-	-	207	-	207
2000	-	-	-	-	-	119	-	119
2001	-	-	-	-	-	297	-	297
2002	-	-	-	-	94	332	-	426
2003	-	-	-	-	-	55	-	55
2004	-	-	-	-	-	262	-	262
2005	-	-	-	-	-	266	-	266
2006	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	270	-	270
2008	-	-	-	-	-	-	-	-

TABLE A-2. California commercial troll salmon fishing effort in days fished by port area and month. (Page 2 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
Fort Bragg								
1978-1980	29	2,285	4,678	9,987	4,348	2,185	-	23,483
1981-1985	-	2,084	2,156	5,527	2,422	1,527	-	13,716
1986-1990	-	2,775	3,887	5,151	3,802	777	-	16,392
1991-1995	-	100	-	-	3,500	875	-	4,475
1996	-	-	-	-	1,300	800	-	2,100
1997	-	-	-	-	-	300	-	300
1998	-	-	-	-	-	300	-	300
1999	-	-	-	-	-	200	-	200
2000	-	-	-	-	-	1,079	-	1,079
2001	-	206	-	-	-	610	-	816
2002	-	-	-	216	1,327	581	-	2,124
2003	-	1,022	-	1,497	2,355	1,422	-	6,296
2004	-	-	-	2,426	2,095	1,063	-	5,584
2005	-	-	-	-	-	1,455	-	1,455
2006	-	-	-	-	-	434	-	434
2007	106	-	-	-	1,252	42	-	1,400
2008	-	-	-	-	-	-	-	-
San Francisco								
1978-1980	347	5,780	5,242	7,139	2,417	2,044	-	22,622
1981-1985	727	3,897	2,958	6,819	5,214	3,003	-	21,892
1986-1990	-	6,506	7,111	5,948	4,125	1,864	-	25,555
1991-1995	-	3,480	2,540	2,700	2,840	1,780	-	13,340
1996	-	1,000	2,500	2,200	1,300	1,100	-	8,100
1997	-	2,700	300	2,800	2,300	1,400	-	9,500
1998	-	900	800	3,000	1,700	1,900	-	8,300
1999	100	1,200	2,500	3,600	2,100	1,200	-	10,700
2000	-	1,823	2,559	2,049	2,179	2,521	-	11,131
2001	-	2,000	774	2,694	1,392	1,590	501	8,951
2002	-	2,258	1,630	2,856	1,198	1,064	139	9,145
2003	-	1,046	2,228	1,409	1,212	739	136	6,770
2004	-	3,120	2,942	2,724	1,076	704	290	10,856
2005	-	-	-	3,533	2,586	2,150	401	8,670
2006	-	-	-	616	2,549	1,949	374	5,488
2007	-	1,656	-	2,954	1,152	806	168	6,736
2008	-	-	-	-	-	-	-	-

TABLE A-2. California commercial troll salmon fishing effort in days fished by port area and month. (Page 3 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
Monterey								
1978-1980	1,024	5,293	4,310	4,581	2,220	873	-	17,277
1981-1985	1,311	4,245	2,767	2,746	964	236	-	10,958
1986-1990	-	5,235	4,255	3,367	1,335	198	-	14,391
1991-1995	-	4,360	3,080	2,460	780	140	-	10,820
1996	-	3,700	3,400	3,100	300	25	-	10,525
1997	600	3,800	1,700	2,900	25	25	-	9,050
1998	-	3,400	1,300	900	100	100	-	5,800
1999	25	1,300	2,500	1,100	100	200	-	5,225
2000	-	3,387	3,304	1,199	211	-	-	8,101
2001	-	2,688	674	348	27	22	-	3,759
2002	-	1,988	1,617	1,592	291	41	-	5,529
2003	-	1,006	499	791	178	270	-	2,744
2004	-	2,026	1,092	1,147	299	205	-	4,769
2005	-	3,881	377	1,468	779	64	-	6,569
2006	-	2,062	103	34	44	94	-	2,337
2007	-	1,476	29	334	255	84	-	2,178
2008	-	-	-	-	-	-	-	-
Total Statewide								
1978-1980	1,718	21,086	25,641	32,076	16,334	7,268	-	102,405
1981-1985	2,037	12,939	9,510	18,736	12,153	5,613	-	58,950
1986-1990	-	14,524	16,246	14,658	9,741	3,316	64	58,549
1991-1995	-	7,860	5,620	5,160	4,320	2,720	100	25,780
1996	-	4,700	5,900	5,300	3,038	2,223	-	21,161
1997	600	6,500	2,000	5,700	2,325	1,831	-	18,956
1998	-	4,300	2,100	3,900	1,800	2,464	-	14,564
1999	125	2,500	5,000	4,700	2,200	1,836	-	16,361
2000	-	5,210	5,863	3,248	2,390	3,742	-	20,453
2001	-	4,894	1,448	3,042	1,419	2,537	501	13,841
2002	-	4,246	3,247	4,664	2,937	2,164	145	17,403
2003	14	3,076	2,731	3,697	3,745	2,536	142	15,941
2004	22	5,146	4,036	6,333	3,637	2,269	290	21,733
2005	-	3,881	377	5,001	3,365	3,993	401	17,018
2006	-	2,062	103	650	2,593	2,477	374	8,259
2007	106	3,132	29	3,288	2,659	1,289	168	10,671
2008	-	-	-	-	-	-	-	-

a/ Includes minor effort off Oregon for fish landed in California.

b/ Commercial fishery closed except in August (2002) and September (2002-2004); effort for other months reportedly occurred off Oregon.

TABLE A-3. California commercial troll Chinook and coho salmon landings in numbers of fish by catch area and month. (Page 1 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
	CHINOOK								COHO							
Crescent City[a/]																
1976-1980	416	14,118	13,779	10,281	6,545	1,959	-	44,259	-	10,013	46,627	20,439	3,486	892	-	72,133
1981-1985	-	10,771	6,859	8,842	17,800	8,554	-	48,548	-	5,448	5,213	8,725	6,238	1,357	-	20,094
1986-1990	-	527	12,995	3,017	2,534	452	-	13,997	-	-	4,408	1,262	5	18	-	3,795
1991-1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	98	156	-	254	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-
1998	-	-	-	-	-	0	-	0	-	-	-	-	-	-	-	-
1999	-	-	-	-	-	125	-	125	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	251	-	251	-	-	-	-	-	-	-	-
2001	-	-	-	-	-	223	-	223	-	-	-	-	-	-	-	-
2002	-	-	-	-	681	3,354	424	4,459 [b/]	-	-	-	-	-	-	-	-
2003	1,654	84	100	-	-	1,356	162	3,356 [b/]	-	-	-	-	-	-	-	-
2004	718	-	6	5,245	19,686	565	-	26,220 [b/]	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	1,255	-	1,255	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	2,367	-	2,367	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eureka																
1978-1980	8,114	77,899	35,737	34,578	13,018	5,706	-	166,282	12	30,896	49,638	13,684	5,128	603	-	90,024
1981-1985	-	26,077	7,548	11,434	12,677	6,788	-	61,130	-	2,246	6,758	10,021	6,576	651	-	23,675
1986-1990	-	-	26,180	4,316	6,726	6,295	480	32,329	-	-	5,948	508	211	860	125	5,998
1991-1995	-	-	-	-	-	4,300	400	4,700	-	-	-	-	-	3,000	100	3,100
1996	-	-	-	-	2,599	6,222	-	8,821	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	1,424	-	1,424	-	-	-	-	-	-	-	-
1998	-	-	-	-	-	2,501	-	2,501	-	-	-	-	-	-	-	-
1999	-	-	-	-	-	2,375	-	2,375	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	1,776	-	1,776	-	-	-	-	-	-	-	-
2001	-	-	-	-	-	5,300	-	5,300	-	-	-	-	-	-	-	-
2002	-	-	-	-	1,392	7,616	-	9,008	-	-	-	-	-	-	-	-
2003	-	-	-	-	-	688	-	688	-	-	-	-	-	-	-	-
2004	-	-	-	-	-	5,695	-	5,695	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	5,799	-	5,799	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	6,395	-	6,395	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-3. California commercial troll Chinook and coho salmon landings in numbers of fish by port area and month. (Page 2 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
	CHINOOK								COHO							
Fort Bragg																
1978-1980	1,676	24,780	26,128	57,010	26,841	12,992	-	143,867	6	5,210	35,041	14,500	3,093	191	-	29,918
1981-1985	-	15,487	21,136	48,976	16,891	6,767	-	109,258	-	205	2,695	9,916	1,659	194	-	14,628
1986-1990	-	46,868	72,418	91,861	36,174	5,095	-	252,416	-	-	9,106	14,014	3,376	190	-	26,000
1991-1995	-	388	-	-	34,300	8,682	-	17,354	-	-	-	-	4,500	-	-	4,500
1996	-	-	-	-	14,443	8,487	-	22,930	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	3,776	-	3,776	-	-	-	-	-	-	-	-
1998	-	-	-	-	-	2,882	-	2,882	-	-	-	-	-	-	-	-
1999	-	-	-	-	-	2,283	-	2,283	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	30,773	-	30,773	-	-	-	-	-	-	-	-
2001	-	4,297	-	-	-	10,696	-	14,993	-	-	-	-	-	-	-	-
2002	-	-	-	18,627	40,788	5,921	-	65,336	-	-	-	-	-	-	-	-
2003	-	31,132	-	70,542	84,285	62,916	-	248,875	-	-	-	-	-	-	-	-
2004	-	-	-	65,937	30,487	10,835	-	107,259	-	-	-	-	-	-	-	-
2005	-	-	-	-	-	45,869	-	45,869	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	10,835	-	10,835	-	-	-	-	-	-	-	-
2007	748	-	-	-	15,173	195	-	16,116	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Francisco																
1978-1980	20,205	53,699	37,115	53,367	12,126	9,637	-	174,684	8	5,239	13,116	3,586	1,142	315	-	20,778
1981-1985	15,704	44,645	25,209	60,551	35,241	9,621	-	181,548	8	312	2,174	4,737	495	70	-	7,728
1986-1990	-	131,362	111,938	71,214	26,550	10,050	-	351,115	-	-	5,375	3,280	820	82	-	9,377
1991-1995	-	69,489	43,811	43,504	29,911	13,873	-	200,588	-	-	33,100	19,700	500	-	-	26,900
1996	-	21,978	77,988	43,546	11,979	11,888	-	167,379	-	-	-	-	-	-	-	-
1997	-	112,347	14,225	84,230	24,737	17,945	-	253,484	-	-	-	-	-	-	-	-
1998	-	15,215	18,849	62,242	15,307	14,507	-	126,120	-	-	-	-	-	-	-	-
1999	3,266	16,766	71,091	62,629	23,555	3,653	-	180,960	-	-	-	-	-	-	-	-
2000	-	83,347	76,141	36,125	25,743	29,012	-	250,368	-	-	-	-	-	-	-	-
2001	-	38,710	8,122	60,701	14,056	11,386	3,655	136,630	-	-	-	-	-	-	-	-
2002	-	64,569	68,773	88,077	13,584	7,399	470	242,872	-	-	-	-	-	-	-	-
2003	-	31,148	94,684	39,442	25,978	9,742	1,882	202,876	-	-	-	-	-	-	-	-
2004	-	75,176	127,403	77,267	12,843	4,329	1,211	298,229	-	-	-	-	-	-	-	-
2005	-	-	-	110,823	29,468	27,935	2,305	170,531	-	-	-	-	-	-	-	-
2006	-	-	-	16,437	18,341	11,839	1,072	47,689	-	-	-	-	-	-	-	-
2007	-	25,396	-	39,878	7,434	2,194	352	75,254	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-3. California commercial troll Chinook and coho salmon landings in numbers of fish by port area and month. (Page 3 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
	CHINOOK								COHO							
Monterey																
1978-1980	12,314	29,539	23,936	18,117	9,381	3,509	-	89,545	37	3,539	4,986	1,778	72	34	-	9,418
1981-1985	15,312	34,978	16,852	19,382	5,619	1,148	-	84,103	84	149	896	260	65	12	-	1,356
1986-1990	-	61,484	42,139	29,992	9,011	2,220	-	144,846	-	-	1,024	508	89	10	-	1,611
1991-1995	-	51,806	30,129	37,446	5,936	1,200	-	126,517	-	-	9,300	2,400	75	-	-	11,775
1996	-	75,097	52,296	51,871	2,159	44	-	181,467	-	-	-	-	-	-	-	-
1997	11,891	86,710	60,351	69,710	-	69	-	228,731	-	-	-	-	-	-	-	-
1998	-	61,051	20,589	12,689	593	511	-	95,433	-	-	-	-	-	-	-	-
1999	2	13,788	54,538	8,840	480	1,061	-	78,709	-	-	-	-	-	-	-	-
2000	-	122,287	62,329	11,278	1,290	-	-	197,184	-	-	-	-	-	-	-	-
2001	-	30,037	3,375	2,383	116	29	-	35,940	-	-	-	-	-	-	-	-
2002	-	21,551	24,441	21,328	2,524	136	-	69,980	-	-	-	-	-	-	-	-
2003	-	10,954	9,517	13,728	823	1,077	-	36,099	-	-	-	-	-	-	-	-
2004	-	22,420	26,772	14,033	1,195	287	-	64,707	-	-	-	-	-	-	-	-
2005	-	76,855	5,001	29,105	5,578	869	-	117,408	-	-	-	-	-	-	-	-
2006	-	9,911	391	346	248	308	-	11,204	-	-	-	-	-	-	-	-
2007	-	11,202	156	1,930	605	116	-	14,009	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Statewide[a/]																
1978-1980	42,724	200,034	136,693	173,352	67,912	33,804	-	618,637	38	54,897	149,408	53,987	12,921	2,035	-	210,303
1981-1985	31,016	124,589	74,723	145,130	82,132	23,673	-	462,652	92	5,037	12,948	28,164	12,469	1,079	-	58,726
1986-1990	-	240,135	257,835	195,138	77,291	24,112	480	794,703	-	-	23,790	18,257	4,444	1,138	125	46,780
1990-1995	-	121,373	73,940	80,950	42,707	22,878	400	341,928	-	-	25,850	12,250	2,825	3,000	100	42,475
1996	-	97,075	130,284	95,417	31,278	26,797	-	380,851	-	-	-	-	-	-	-	-
1997	11,891	199,057	74,576	153,940	24,737	23,214	-	487,415	-	-	-	-	-	-	-	-
1998	-	76,266	39,438	74,931	15,900	20,401	-	226,936	-	-	-	-	-	-	-	-
1999	3,268	30,554	125,629	71,469	24,035	9,497	-	264,452	-	-	-	-	-	-	-	-
2000	-	205,634	138,470	47,403	27,033	61,812	-	480,352	-	-	-	-	-	-	-	-
2001	-	73,044	11,497	63,084	14,172	27,634	3,655	193,086	-	-	-	-	-	-	-	-
2002	-	86,120	93,214	128,032	58,969	24,426	894	391,655	-	-	-	-	-	-	-	-
2003	1,654	73,318	104,301	123,712	111,086	75,779	2,044	491,894	-	-	-	-	-	-	-	-
2004	718	97,596	154,181	162,482	64,211	21,711	1,211	502,110	-	-	-	-	-	-	-	-
2005	-	76,855	5,001	139,928	35,046	81,727	2,305	340,862	-	-	-	-	-	-	-	-
2006	-	9,911	391	16,783	18,589	22,982	1,072	69,728	-	-	-	-	-	-	-	-
2007	748	36,598	156	41,808	23,212	11,267	352	114,141	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

a/ Includes minor catches made off Oregon and landed in California prior to 2005.

b/ Commercial fishery closed except in August (2002) and September (2002-2004); catch for other months reportedly occurred off Oregon.

TABLE A-4. California ocean recreational salmon fishing effort in angler trips by port and month. (Page 1 of 3)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
Crescent City											
1976-1980	--	--	1	41	3,679	9,656	5,384	1,211	0	0	19,973
1981-1985	--	--	0	572	3,912	11,525	6,620	504	0	0	23,133
1986-1990	--	--	-	1,417	11,087	19,316	6,758	981	-	-	39,560
1991-1995	-	-	-	2,376	4,333	9,250	2,319	1,563	-	-	14,334
1996	-	-	-	993	5,054	2,405	2,056	806	-	-	11,314
1997	-	-	-	920	1,724	1,533	2,242	157	-	-	6,576
1998	-	-	-	705	1,527	455	565	50	-	-	3,302
1999	-	-	-	12	1,532	802	3,068	428	-	-	5,842
2000	-	-	-	144	1,762	2,103	2,988	213	-	-	7,210
2001	-	-	-	881	2,141	3,011	2,339	273	-	-	8,645
2002	-	-	-	1,036	1,131	132	1,333	237	-	-	3,869
2003	-	-	-	319	521	521	493	340	-	-	2,194
2004	-	-	-	603	604	689	843	413	-	-	3,152
2005	-	-	-	131	794	492	904	181	-	-	2,502
2006	-	-	-	325	754	312	-	87	-	-	1,478
2007	-	-	-	277	484	1,027	225	69	-	-	2,082
2008	-	-	-	-	-	-	-	-	-	-	-
Eureka											
1976-1980	--	--	3	315	5,292	12,575	5,346	350	12	0	23,893
1981-1985	--	--	1	1,222	4,740	11,724	4,914	493	14	0	23,108
1986-1990	--	--	-	1,648	9,487	18,674	7,126	963	0	-	37,898
1991-1995	-	-	-	1,480	5,837	8,301	2,249	2,151	21	-	14,789
1996	-	-	-	2,415	6,491	973	2,574	1,558	-	-	14,011
1997	-	-	-	2,452	3,445	2,113	3,990	375	-	-	12,375
1998	-	-	-	1,885	1,789	570	2,041	445	-	-	6,730
1999	-	-	-	105	4,136	2,126	5,242	376	-	-	11,985
2000	-	-	-	840	3,179	3,007	5,226	860	-	-	13,112
2001	-	-	-	1,994	5,297	3,854	3,855	1,048	-	-	16,048
2002	-	-	-	2,186	5,379	599	7,428	2,082	-	-	17,674
2003	-	-	-	2,226	3,102	2,915	4,176	1,164	-	-	13,583
2004	-	-	-	3,995	3,367	4,725	8,211	2,147	-	-	22,445
2005	-	-	-	1,143	4,795	1,160	5,075	2,654	-	-	14,827
2006	-	-	-	3,951	5,208	2,146	-	3,668	-	-	14,973
2007	-	-	-	1,737	4,987	4,914	5,212	1,511	-	-	18,361
2008	-	-	-	-	-	-	-	-	-	-	-

TABLE A-4. California ocean recreational salmon fishing effort in angler trips by port and month. (Page 2 of 3)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
Fort Bragg											
1976-1980	--	--	0	117	1,652	5,610	3,703	596	1	0	11,679
1981-1985	--	--	2	53	2,246	5,039	2,074	138	4	0	9,557
1986-1990	0	2	80	705	4,483	7,055	2,464	650	4	0	15,441
1991-1995	161	313	745	2,001	6,137	9,103	5,427	1,316	276	6	20,573
1996	49	947	1,938	2,857	12,018	2,960	6,982	2,794	744	--	31,289
1997	--	430	1,131	4,003	6,813	3,476	4,089	268	--	--	20,210
1998	--	58	0	976	2,344	542	3,272	1,137	15	--	8,344
1999	14	60	195	382	1,726	2,985	4,336	488	--	--	10,186
2000	--	--	1,288	3,125	7,154	5,635	6,618	1,698	36	--	25,554
2001	--	690	1,269	3,402	7,228	9,454	6,879	1,754	107	15	30,798
2002	194	897	2,428	4,889	7,004	8,494	7,458	435	3	0	31,802
2003	607	1,282	938	2,662	5,729	8,252	3,466	768	5	0	23,709
2004	183	999	1,069	2,408	8,760	11,560	4,266	1,061	240	27	30,573
2005	869	521	841	1,910	4,525	6,666	7,994	964	22	0	24,312
2006	289	298	800	2,327	5,917	6,655	4,051	631	0	0	20,968
2007	249	855	692	2,280	5,593	5,271	2,013	146	25	0	17,124
2008[a/]	206	185	-	-	-	-	-	-	-	-	391
San Francisco											
1976-1980	8,103	10,269	7,245	8,582	10,414	15,307	15,199	12,488	7,866	4,022	97,886
1981-1985	4,117	5,811	6,039	6,892	10,779	15,006	14,061	9,291	5,577	1,343	78,915
1986-1990	4,825	9,832	12,258	8,986	12,572	18,560	15,985	9,606	4,755	1,198	98,579
1991-1995	345	6,148	6,812	8,020	12,807	29,791	17,622	8,726	4,520	148	94,781
1996	-	19,039	13,150	9,551	12,696	28,499	13,566	5,266	2,397	-	104,164
1997	-	4,738	10,927	16,760	13,959	34,485	21,240	5,461	3,212	380	111,162
1998	-	249	6,973	5,842	13,644	23,128	20,796	6,903	3,465	--	81,000
1999	-	1,430	8,005	3,688	12,982	32,018	17,424	8,835	5,421	-	89,803
2000	-	-	6,572	9,720	16,714	19,102	13,302	11,421	5,430	1,451	83,712
2001	-	-	5,689	8,646	4,968	17,387	15,521	10,727	5,974	2,578	71,490
2002	-	-	5,322	10,758	14,016	28,354	21,029	7,104	1,820	381	88,784
2003	-	-	4,013	8,559	11,885	22,201	11,087	5,945	2,662	264	66,616
2004	-	-	7,232	15,145	15,864	32,723	21,167	8,372	4,063	1,512	106,078
2005	-	-	9,003	10,890	9,888	22,712	13,543	11,925	5,846	965	84,772
2006	-	-	3,860	11,575	13,994	20,739	5,557	3,371	1,827	448	61,371
2007	-	-	3,505	6,915	8,340	13,775	4,908	2,511	1,766	1,394	43,114
2008	-	-	-	-	-	-	-	-	-	-	-

TABLE A-4. California ocean recreational salmon fishing effort in angler trips by port and month. (Page 3 of 3)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
Monterey											
1976-1980	1,763	2,199	1,984	1,229	931	1,137	498	161	101	56	10,038
1981-1985	990	2,134	2,730	1,953	1,317	1,993	805	164	67	84	12,237
1986-1990	3,447	7,261	11,695	4,141	6,637	10,555	4,182	637	269	364	49,189
1991-1995	505	9,243	15,522	12,159	11,062	16,341	4,519	1,051	1,498	600	71,520
1996	-	15,229	15,261	9,370	6,983	11,919	5,765	-	-	-	64,527
1997	-	16,378	17,653	9,134	18,304	18,616	3,729	232	--	-	84,046
1998	-	5,918	10,719	11,234	12,240	10,062	1,930	345	-	-	52,448
1999	-	7,231	3,585	2,405	7,379	6,260	2,064	315	-	-	29,239
2000	-	-	28,828	19,871	14,416	14,646	4,872	2,154	-	-	84,787
2001	-	883	19,395	10,966	2,071	3,934	604	301	-	-	38,154
2002	-	2,863	32,727	11,892	9,005	8,983	2,304	149	-	-	67,923
2003	-	5,092	10,118	5,834	3,165	4,083	233	--	-	-	28,525
2004	-	-	24,564	11,320	4,443	13,358	2,335	475	0	-	56,495
2005	-	-	14,787	6,997	13,298	8,870	1,354	361	-	-	45,667
2006	-	-	14,538	3,226	5,465	4,311	76	100	-	-	27,716
2007	-	-	10,846	4,102	5,687	2,502	1,611	434	26	-	25,208
2008	-	-	-	-	-	-	-	-	-	-	-
Total Statewide											
1976-1980	9,865	12,468	9,233	10,285	21,968	44,285	30,130	14,806	7,981	4,078	163,469
1981-1985	5,107	7,945	8,772	10,692	22,993	45,287	28,475	10,590	5,662	1,426	146,950
1986-1990	8,272	17,094	24,034	16,896	44,266	74,160	36,515	12,837	5,029	1,563	240,667
1991-1995	675	15,641	23,079	25,264	38,143	62,125	30,137	14,807	5,943	302	215,996
1996	49	35,215	30,349	25,186	43,242	46,756	30,943	10,424	3,141	--	225,305
1997	--	21,546	29,711	33,269	44,245	60,223	35,290	6,493	3,212	380	234,369
1998	--	6,225	17,692	20,642	31,544	34,757	28,604	8,880	3,480	--	151,824
1999	14	8,721	11,785	6,592	27,755	44,191	32,134	10,442	5,421	--	147,055
2000	--	--	36,688	33,700	43,225	44,493	33,006	16,346	5,466	1,451	214,375
2001	--	1,573	26,353	25,889	21,705	37,640	29,198	14,103	6,081	2,593	165,135
2002	194	3,760	40,477	30,761	36,535	46,562	39,552	10,007	1,823	381	210,052
2003	607	6,374	15,069	19,600	24,402	37,972	19,455	8,217	2,667	264	134,627
2004	183	999	32,865	33,471	33,038	63,055	36,822	12,468	4,303	1,539	218,743
2005	869	521	24,631	21,071	33,300	39,900	28,870	16,085	5,868	965	172,080
2006	289	298	19,198	21,404	31,338	34,163	9,684	7,857	1,827	448	126,506
2007	249	855	15,043	15,311	25,091	27,489	13,969	4,671	1,817	1,394	105,889
2008[a/]	206	185	-	-	-	-	-	-	-	-	391

a/ Preliminary.

TABLE A-5. California ocean recreational salmon landings in numbers of fish by port of landing and month. (Page 1 of 3)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
	CHINOOK											COHO										
Crescent City																						
1976-1980	--	--	0	2	470	1,756	1,286	81	0	0	3,595	--	--	0	9	3,087	6,587	2,049	156	0	0	11,889
1981-1985	--	--	0	497	1,439	3,107	1,925	65	0	0	7,032	--	--	0	23	1,222	4,403	1,656	72	0	0	7,376
1986-1990	--	--	-	414	4,552	7,689	1,640	315	-	-	14,610	--	--	-	71	3,561	8,430	1,645	141	-	-	13,847
1991-1995	-	-	-	1,316	1,402	1,101	301	405	-	-	3,481	-	-	-	5	2,223	5,171	725	133	-	-	5,597
1996	-	-	-	315	2,253	757	341	162	-	-	3,828	-	-	-	-	67	-	15	19	-	-	101
1997	-	-	-	288	540	840	849	10	-	-	2,527	-	-	-	4	-	60	13	-	-	-	77
1998	-	-	-	215	687	142	59	20	-	-	1,123	-	-	-	-	10	3	3	-	-	-	16
1999	-	-	-	0	134	218	590	74	-	-	1,016	-	-	-	-	4	18	19	-	-	-	41
2000	-	-	-	12	522	1,443	1,454	140	-	-	3,571	-	-	-	-	-	12	57	-	-	-	69
2001	-	-	-	484	607	533	507	105	-	-	2,236	-	-	-	3	52	24	16	-	-	-	95
2002	-	-	-	283	245	31	392	156	-	-	1,107	-	-	-	-	26	3	4	-	-	-	33
2003	-	-	-	62	76	60	90	103	-	-	391	-	-	-	-	4	-	12	-	-	-	16
2004	-	-	-	487	259	172	309	63	-	-	1,290	-	-	-	8	7	40	24	-	-	-	79
2005	-	-	-	11	829	389	240	29	-	-	1,498	-	-	-	-	4	-	17	-	-	-	21
2006	-	-	-	252	273	216	-	15	-	-	756	-	-	-	3	9	8	-	-	-	-	20
2007	-	-	-	30	198	589	27	27	-	-	871	-	-	-	-	8	43	-	5	-	-	56
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eureka																						
1976-1980	--	--	0	159	1,247	3,656	953	56	4	0	6,075	--	--	1	97	4,135	7,074	1,734	74	0	0	13,114
1981-1985	--	--	1	1,284	2,226	4,927	1,075	73	8	0	9,594	--	--	0	157	2,585	5,755	1,718	151	0	0	10,366
1986-1990	--	--	-	953	4,926	6,722	3,014	184	0	-	15,798	--	--	-	660	5,551	12,445	2,726	269	0	-	21,651
1991-1995	-	-	-	621	3,097	1,890	725	625	1	-	5,313	-	-	-	209	3,364	5,067	506	381	2	-	6,642
1996	-	-	-	1,711	3,584	185	939	500	-	-	6,919	-	-	-	-	98	15	17	23	-	-	153
1997	-	-	-	1,484	1,738	1,160	2,000	74	-	-	6,456	-	-	-	12	40	12	55	5	-	-	124
1998	-	-	-	541	470	224	471	84	-	-	1,790	-	-	-	-	5	12	30	-	-	-	47
1999	-	-	-	6	2,150	1,041	1,902	76	-	-	5,175	-	-	-	-	30	16	44	-	-	-	90
2000	-	-	-	284	1,800	2,350	5,010	459	-	-	9,903	-	-	-	-	19	24	76	8	-	-	127
2001	-	-	-	1,399	3,622	2,113	2,025	1,429	-	-	10,588	-	-	-	8	50	20	13	-	-	-	91
2002	-	-	-	2,259	4,991	564	5,487	1,723	-	-	15,024	-	-	-	10	196	23	24	9	-	-	262
2003	-	-	-	2,875	1,764	1,379	1,686	657	-	-	8,361	-	-	-	29	50	8	34	-	-	-	121
2004	-	-	-	5,496	1,946	4,377	7,153	2,582	-	-	21,554	-	-	-	184	76	74	123	24	-	-	481
2005	-	-	-	1,015	6,485	1,879	4,020	2,647	-	-	16,046	-	-	-	24	44	3	11	48	-	-	130
2006	-	-	-	4,316	5,413	2,113	-	3,805	-	-	15,647	-	-	-	88	20	25	-	88	-	-	221
2007	-	-	-	797	5,050	4,296	6,037	1,845	-	-	18,025	-	-	-	-	105	96	108	36	-	-	345
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-5. California ocean recreational salmon landings in numbers of fish by port of landing and month. (Page 2 of 3)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
	CHINOOK											**COHO**										
Fort Bragg																						
1976-1980	--	--	0	19	367	1,724	1,212	100	0	0	3,423	--	--	0	59	634	1,239	391	82	0	0	2,406
1981-1985	--	--	1	29	616	1,553	319	11	1	0	2,530	--	--	0	0	224	568	137	3	0	0	932
1986-1990	0	1	85	360	2,626	3,857	674	71	2	0	7,676	0	0	0	38	860	1,862	264	70	0	0	3,094
1991-1995	52	85	429	1,182	5,940	2,869	2,378	456	43	1	11,801	0	1	4	177	1,847	7,157	678	111	10	0	6,985
1996	11	277	1,368	1,945	13,727	1,900	3,213	1,450	111	--	24,002	-	-	3	-	180	23	98	30	-	-	334
1997	--	128	475	1,871	4,168	3,615	1,259	68	--	--	11,584	-	-	-	8	21	21	9	-	-	-	59
1998	--	40	--	594	520	683	2,197	629	0	--	4,663	-	-	-	-	-	-	3	-	-	-	3
1999	0	1	22	32	481	2,020	2,550	157	--	--	5,263	-	-	-	-	15	27	112	-	-	-	154
2000	--	--	700	2,725	5,720	8,120	7,342	1,335	0	--	25,942	-	-	-	-	46	8	9	3	-	-	66
2001	--	464	516	2,663	6,305	10,402	5,348	358	6	2	26,064	-	-	-	57	199	145	36	-	-	-	437
2002	14	200	2,496	3,960	8,636	11,582	4,151	163	0	0	31,202	-	-	-	3	47	127	30	-	-	-	207
2003	444	845	428	1,222	5,063	6,353	1,420	400	5	0	16,180	-	-	-	3	45	45	11	5	-	-	109
2004	41	510	107	1,657	8,494	10,211	1,334	729	122	0	23,205	-	-	-	-	64	230	61	21	-	-	376
2005	285	111	183	1,142	3,848	6,632	9,642	335	5	0	22,183	-	-	-	-	-	48	28	-	-	-	76
2006	55	109	255	1,418	4,630	4,672	2,743	111	0	0	13,993	-	-	-	19	140	176	40	-	-	-	375
2007	48	200	67	1,425	1,873	1,980	158	0	0	0	5,751	-	-	-	-	5	12	4	-	-	-	21
2008[a/]	0	6	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
San Francisco																						
1976-1980	5,338	7,787	7,423	5,763	10,882	14,396	8,390	7,292	6,618	1,328	75,216	4	8	229	1,341	875	883	203	53	14	2	3,611
1981-1985	5,339	5,819	5,505	7,181	12,346	16,869	16,032	8,497	5,527	1,367	84,484	0	1	11	138	439	323	145	37	29	0	1,123
1986-1990	4,510	10,976	16,873	8,315	12,172	17,167	15,479	7,596	4,108	1,094	98,291	0	1	38	159	339	379	480	83	12	0	1,490
1991-1995	106	5,185	7,028	6,921	14,149	33,404	13,387	8,221	3,591	52	91,971	1	8	17	71	1,035	1,184	157	31	13	0	2,517
1996	-	21,395	14,222	6,057	11,224	22,630	4,791	2,921	1,231	-	84,471	-	-	-	2	7	21	26	-	-	-	56
1997	-	3,021	11,040	19,706	15,133	48,956	20,829	2,847	2,384	58	123,974	-	-	-	10	-	161	8	17	-	-	196
1998	-	80	3,748	4,414	12,262	27,369	17,577	3,730	1,789	--	70,969	-	-	-	-	8	16	4	-	-	-	28
1999	-	744	6,260	1,330	10,686	29,869	11,570	6,237	2,555	-	69,251	-	-	-	12	175	107	11	12	6	-	323
2000	-	-	5,684	10,207	16,317	8,458	7,207	8,060	6,815	1,905	64,653	-	-	-	-	50	36	12	-	-	-	98
2001	-	-	3,314	6,207	1,613	11,167	6,717	6,552	3,065	1,221	39,856	-	-	-	165	8	306	10	-	-	-	489
2002	-	-	4,953	13,189	17,955	34,305	13,097	3,100	348	61	87,008	-	-	2	19	72	191	16	-	-	-	300
2003	-	-	4,707	9,358	13,179	19,974	5,067	3,288	1,043	0	56,616	-	-	-	38	71	94	-	4	-	-	207
2004	-	-	6,847	18,714	23,692	47,484	22,562	7,887	2,696	338	130,220	-	-	-	41	40	236	140	13	-	-	470
2005	-	-	7,878	10,827	12,593	20,653	5,959	10,609	3,950	355	72,824	-	-	-	16	147	110	-	-	-	-	273
2006	-	-	1,803	12,416	18,151	20,092	1,280	861	256	67	54,926	-	-	-	57	296	310	9	-	-	-	672
2007	-	-	796	4,245	4,642	5,419	650	278	441	325	16,796	-	-	-	37	30	114	9	14	-	-	204
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE A-5. California ocean recreational salmon landings in numbers of fish by port of landing and month. (Page 3 of 3)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
	CHINOOK											**COHO**										
Monterey																						
1976-1980	493	717	1,292	456	532	437	92	41	45	11	4,114	6	6	9	39	43	29	7	0	0	0	139
1981-1985	608	1,446	1,731	444	341	568	236	22	18	43	5,457	0	0	10	11	17	12	20	0	0	0	70
1986-1990	1,120	4,312	9,407	1,362	4,126	7,467	1,704	167	129	225	30,020	0	0	18	15	101	144	28	1	0	0	306
1991-1995	215	6,106	14,107	7,457	7,574	18,690	2,519	248	1,032	372	57,730	0	0	2	12	245	361	34	0	6	0	657
1996	-	10,294	16,068	5,221	2,261	7,809	3,159	-	-	-	44,812	-	-	-	-	-	-	-	-	-	-	0
1997	-	16,941	15,424	4,168	26,355	19,974	1,470	95	--	-	84,427	-	-	-	-	9	21	-	-	-	-	30
1998	-	2,869	9,382	10,262	10,959	9,033	901	62	-	-	43,468	-	-	-	-	4	5	-	-	-	-	9
1999	-	946	349	271	2,277	2,101	1,052	144	-	-	7,140	-	-	-	-	-	-	-	-	-	-	0
2000	-	-	33,927	19,178	13,261	10,799	2,960	1,657	-	-	81,782	-	-	-	-	45	10	4	-	-	-	59
2001	-	792	14,229	3,022	235	1,552	89	120	-	-	20,039	-	-	4	198	4	11	-	-	-	-	217
2002	-	2,779	30,310	4,784	3,751	5,441	611	27	-	-	47,703	-	-	-	-	11	15	-	-	-	-	26
2003	-	3,133	4,434	1,629	801	3,115	14	--	-	-	13,126	-	-	-	29	81	50	-	-	-	-	160
2004	-	-	24,516	4,476	1,762	12,916	1,074	101	0	-	44,845	-	-	-	-	9	9	-	-	-	-	18
2005	-	-	6,194	2,303	14,910	6,809	414	76	-	-	30,706	-	-	-	19	95	85	-	-	-	-	199
2006	-	-	7,350	399	1,318	1,893	0	10	-	-	10,970	-	-	-	32	204	102	-	-	-	-	338
2007	-	-	2,289	735	2,098	681	346	112	0	-	6,261	-	-	-	16	69	23	12	-	-	-	120
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Statewide																						
1976-1980	5,830	8,504	8,715	6,399	13,497	21,969	11,933	7,569	6,667	1,338	92,422	10	14	239	1,545	8,774	15,812	4,383	366	15	2	31,158
1981-1985	5,947	7,266	7,239	9,435	16,968	27,024	19,587	8,667	5,554	1,410	109,097	0	1	21	329	4,486	11,061	3,677	262	29	0	19,866
1986-1990	5,630	15,288	26,365	11,404	28,402	42,902	22,512	8,333	4,240	1,319	166,395	0	1	56	943	10,412	23,259	5,142	563	12	0	40,388
1991-1995	244	11,376	21,564	17,109	31,262	55,610	18,628	9,956	4,451	239	170,296	0	9	23	389	7,597	11,982	1,717	656	25	0	22,399
1996	11	31,966	31,658	15,249	33,049	33,281	12,443	5,033	1,342	--	164,032	-	-	3	2	352	59	156	72	-	-	644
1997	--	20,090	26,939	27,517	47,934	74,545	26,407	3,094	2,384	58	228,968	-	-	-	34	70	275	85	22	-	-	486
1998	--	2,989	13,130	16,026	24,898	37,451	21,205	4,525	1,789	--	122,013	-	-	-	-	27	36	40	-	-	-	103
1999	0	1,691	6,631	1,639	15,728	35,249	17,664	6,688	2,555	--	87,845	-	-	-	12	224	168	186	12	6	-	608
2000	--	--	40,311	32,406	37,620	31,170	23,973	11,651	6,815	1,905	185,851	-	-	-	-	160	90	158	11	-	-	419
2001	--	1,256	18,059	13,775	12,382	25,767	14,686	8,564	3,071	1,223	98,783	-	-	4	431	313	506	75	-	-	-	1,329
2002	14	2,979	37,759	24,475	35,578	51,923	23,738	5,169	348	61	182,044	-	-	2	32	352	359	74	9	-	-	828
2003	444	3,978	9,569	15,146	20,883	30,881	8,277	4,448	1,048	0	94,674	-	-	-	99	251	197	57	9	-	-	613
2004	41	510	31,470	30,830	36,153	75,160	32,432	11,362	2,818	338	221,114	-	-	-	233	196	589	348	58	-	-	1,424
2005	285	111	14,255	15,298	38,665	36,362	20,275	13,696	3,955	355	143,257	-	-	-	59	290	246	56	48	-	-	699
2006	55	109	9,408	18,801	29,785	28,986	4,023	4,802	256	67	96,292	-	-	-	199	669	621	49	88	-	-	1,626
2007	48	200	3,152	7,232	13,861	12,965	7,218	2,262	441	325	47,704	-	-	-	53	217	288	133	55	-	-	746
2008[a/]	0	6	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-

a/ Preliminary.

TABLE A-6. Summary of Oregon commercial troll salmon fishing effort in days fished and landings in fish by catch area.[a/] (Page 1 of 2)

Year or Average	Astoria	Tillamook	Newport	Coos Bay	Brookings	Oregon Subtotal	Alaska	Washington	California	Total
					DAYS FISHED					
1976-1980	2,875	7,782	15,029	20,620	9,578	55,885	0	1	0	55,886
1981-1985	1,096	3,409	6,008	9,960	5,024	25,496	8	295	210	26,009
1986-1990	659	6,887	8,650	20,307	1,652	38,154	3	74	44	38,275
1991-1995	374	1,941	4,722	2,011	196	9,016	0	22	7	9,046
1996	-	1,399	4,758	1,758	476	8,391	0	0	94	8,485
1997	8	703	5,171	1,553	375	7,810	0	0	5	7,815
1998	0	1,044	4,496	1,423	208	7,171	0	0	17	7,188
1999	1	694	1,542	2,598	248	5,083	0	26	8	5,117
2000	271	893	2,697	3,345	274	7,480	0	33	5	7,518
2001	242	1,357	5,248	3,830	471	11,148	0	19	26	11,193
2002	430	1,648	4,391	4,804	428	11,701	0	286	7	11,994
2003	413	1,889	4,562	5,026	528	12,418	0	101	9	12,528
2004	347	1,341	4,839	6,159	518	13,204	0	221	0	13,425
2005	516	1,722	4,279	4,857	249	11,623	0	0	0	11,623
2006	981	749	2,248	367	183	4,528	0	0	0	4,528
2007	325	703	1,115	2,626	464	5,233	0	0	0	5,233
2008[b/]	645	49	-	48	51	793	0	0	-	793
					CHINOOK LANDINGS					
1976-1980	15,336	11,222	46,613	85,563	73,899	232,632	300	2,800	900	236,632
1981-1985	5,556	5,901	27,917	63,507	42,623	145,503	89	2,982	2,157	150,731
1986-1990	3,477	26,242	82,957	253,426	28,825	394,927	137	1,179	1,386	397,628
1991-1995	937	6,887	76,934	15,554	1,679	100,945	0	212	276	101,432
1996	-	13,136	127,819	25,690	8,564	175,209	0	0	1,967	177,176
1997	28	2,331	118,966	24,861	3,573	149,759	0	0	148	149,907
1998	0	6,564	94,792	22,112	743	124,211	0	0	658	124,869
1999	15	2,804	15,864	42,488	1,362	62,533	0	1,081	90	63,704
2000	2,245	16,120	49,011	65,061	3,466	135,903	0	437	124	136,464
2001	4,091	26,357	168,644	72,272	3,599	274,963	0	1,194	539	276,696
2002	12,797	30,331	132,084	122,174	6,803	304,189	0	14,966	182	319,337
2003	10,384	33,516	148,550	132,156	5,072	329,678	0	3,188	833	333,699
2004	3,118	9,677	91,288	140,142	8,484	252,709	0	8,522	0	261,231
2005	10,085	27,980	90,064	120,900	2,266	251,295	0	0	0	251,295
2006	10,489	2,756	19,003	1,979	738	34,965	0	0	0	34,965
2007	1,443	4,178	4,064	21,705	4,097	35,487	0	0	0	35,487
2008[b/]	5,388	76	-	208	236	5,908	0	0	-	5,908

TABLE A-6. Summary of Oregon commercial troll salmon fishing effort in days fished and landings in fish by catch area.[a/] (Page 2 of 2)

Year or Average	Astoria	Tillamook	Newport	Coos Bay	Brookings	Oregon Subtotal	Alaska	Washington	California	Total
					COHO LANDINGS					
1976-1980	73,122	126,085	192,121	290,131	60,235	741,694	1,800	9,300	300	753,094
1981-1985	21,305	84,331	109,715	131,470	24,728	301,499	0	9,590	621	311,710
1986-1990	21,364	106,658	135,872	132,522	6,375	397,243	7	4,179	279	401,708
1991-1995	9,949	48,905	41,190	35,625	-	119,367	0	106	55	119,527
1996	-	-	-	8	-	8	0	0	-	8
1997	-	-	-	-	-	-	0	-	-	0
1998	-	-	-	-	-	-	0	-	-	0
1999	-	-	-	-	-	-	0	172	-	172
2000	12,258	-	-	-	-	12,258	0	0	-	12,258
2001	9,333	-	-	-	-	9,333	0	34	-	9,367
2002	1,515	-	-	-	-	1,515	0	0	-	1,515
2003	6,441	-	-	-	-	6,441	0	270	-	6,711
2004	8,839	-	-	-	-	8,839	0	453	-	9,292
2005	2,618	-	-	-	-	2,618	0	0	-	2,618
2006	1,414	-	-	-	-	1,414	0	0	-	1,414
2007	11,553	1,279	1,872	2,391	-	17,095	0	0	-	17,095
2008[b/]	378	-	-	-	-	378	0	0	-	378

a/ Days fished and landings are reported by port of landing through 1978 and by area of catch beginning in 1979. Catch and landing areas include the following port areas: Astoria area includes Oregon ports from Astoria through Cannon Beach; Tillamook area includes Nehalem through Pacific City; Newport area includes Depoe Bay through Waldport; Coos Bay area prior to 1986 includes Florence through Bandon and after 1987 includes Florence through Port Orford; Brookings area prior to 1986 includes Port Orford through Brookings and after 1987 includes Gold Beach through Brookings. Values include state-waters only terminal area fisheries.

b/ Preliminary.

TABLE A-7.Oregon commercial troll salmon effort in days fished by area and month (beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month).[a/] (Page 1 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
Astoria											
1976-1980	-	-	205	299	1,220	844	251	56	-	1	2,875
1981-1985	-	-	402	0	322	338	33	0	-	-	1,096
1986-1990	-	-	146	26	183	579	273	22	-	-	659
1991-1995	-	-	58	43	50	166	111	-	-	-	374
1996	-	-	-	-	-	-	-	-	-	-	-
1997	-	-	6	2	-	-	-	-	-	-	8
1998	-	-	0	0	-	-	-	-	-	-	0
1999	-	-	0	1	-	-	-	-	-	-	1
2000	-	-	1	6	-	246	18	-	-	-	271
2001	-	-	5	26	84	100	27	-	-	-	242
2002	-	-	24	56	156	194	-	-	-	-	430
2003	-	-	95	20	111	143	44	-	-	-	413
2004	-	-	48	1	66	88	144	-	-	-	347
2005	-	-	216	36	30	234	-	-	-	-	516
2006	-	-	510	299	2	77	93	-	-	-	981
2007	-	-	77	46	40	148	14	-	-	-	325
2008[b/]	-	-	279	279	31	46	10	-	-	-	645
Tillamook											
1976-1980	-	-	23	1,152	3,574	2,656	316	62	-	-	7,782
1981-1985	-	-	98	47	2,030	999	140	94	-	-	3,409
1986-1990	-	-	182	328	2,931	1,831	1,007	604	17	-	6,887
1991-1995	-	-	96	95	714	476	558	513	2	-	1,941
1996	-	-	105	341	-	206	490	257	-	-	1,399
1997	-	5	61	123	-	108	217	178	11	-	703
1998	-	23	93	119	-	233	283	259	34	-	1,044
1999	-	1	41	105	48	177	225	95	2	-	694
2000	-	1	54	252	73	204	166	139	4	-	893
2001	-	46	101	227	307	302	248	117	9	-	1,357
2002	13	19	132	242	125	323	396	394	4	-	1,648
2003	9	15	534	453	159	148	285	264	22	-	1,889
2004	15	201	226	136	106	126	290	227	14	-	1,341
2005	247	40	347	710	-	-	287	90	1	-	1,722
2006	-	-	-	177	11	34	178	318	31	-	749
2007	-	8	284	101	4	86	95	95	30	-	703
2008[b/]	-	-	-	-	-	-	37	12	--	-	49

TABLE A-7. Oregon commercial troll salmon effort in days fished by area and month (beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month).[a/] (Page 2 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
Newport											
1976-1980	-	-	300	1,662	6,370	5,374	1,003	321	1	-	15,029
1981-1985	-	-	600	300	3,004	1,728	198	174	4	-	6,008
1986-1990	-	-	826	1,180	3,835	1,597	619	594	-	-	8,650
1991-1995	-	-	945	1,236	1,176	1,159	601	554	-	-	4,722
1996	-	-	1,023	1,125	-	1,308	773	529	-	-	4,758
1997	-	226	1,388	1,331	-	1,296	728	202	-	-	5,171
1998	-	667	1,339	1,175	-	950	217	148	-	-	4,496
1999	-	148	389	456	284	135	26	104	-	-	1,542
2000	-	81	460	486	374	551	523	222	-	-	2,697
2001	-	446	1,264	1,033	495	1,081	591	338	-	-	5,248
2002	186	345	788	471	278	411	746	1,166	-	-	4,391
2003	41	265	884	528	470	626	927	821	-	-	4,562
2004	485	1,060	1,279	628	383	405	496	103	-	-	4,839
2005	296	145	554	1,953	-	-	1,005	326	-	-	4,279
2006	-	-	-	857	476	152	423	248	92	-	2,248
2007	-	81	354	294	94	166	91	29	6	-	1,115
2008[b/]	-	-	-	-	-	-	-	-	-	-	-
Coos Bay											
1976-1980	-	-	524	2,531	9,644	6,069	1,491	355	2,628	2,628	20,620
1981-1985	-	-	714	664	5,159	2,633	604	180	5	-	9,960
1986-1990	-	-	2,737	2,986	7,267	4,665	1,588	964	497	-	20,307
1991-1995	-	-	193	696	554	418	287	255	88	-	2,011
1996	-	-	250	506	-	305	356	255	86	-	1,758
1997	-	117	491	421	-	219	88	161	56	-	1,553
1998	-	161	350	412	-	173	57	188	82	-	1,423
1999	-	28	174	800	401	730	166	172	119	8	2,598
2000	-	73	192	214	739	1,064	549	269	176	69	3,345
2001	-	445	646	720	556	668	375	293	126	1	3,830
2002	168	476	792	1,252	279	559	465	644	154	15	4,804
2003	125	1,110	1,439	560	273	573	453	362	117	14	5,026
2004	406	1,245	632	1,055	336	1,302	573	374	215	21	6,159
2005	755	184	1,931	-	-	-	1,227	544	141	75	4,857
2006	-	-	-	-	-	-	30	156	155	26	367
2007	-	249	560	396	166	891	118	120	125	1	2,626
2008[b/]	-	-	-	-	-	-	-	-	48	-	48

TABLE A-7. Oregon commercial troll salmon effort in days fished by area and month (beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month).[a/] (Page 3 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
Brookings											
1976-1980	-	-	187	1,090	3,079	2,241	1,469	939	572	-	9,578
1981-1985	-	-	265	188	1,367	1,708	427	732	336	-	5,024
1986-1990	-	-	319	647	556	607	125	224	217	-	1,652
1991-1995	-	-	45	-	48	56	22	186	-	-	196
1996	-	-	99	31	-	185	-	161	-	-	476
1997	-	19	149	-	-	38	-	169	-	-	375
1998	-	0	22	-	-	14	-	172	-	-	208
1999	-	-	3	-	-	78	38	120	9	-	248
2000	-	-	4	-	-	84	56	130	-	-	274
2001	-	-	18	41	-	150	96	166	-	-	471
2002	3	15	22	73	82	67	70	96	-	-	428
2003	0	7	47	70	109	106	80	107	2	-	528
2004	2	9	73	139	102	53	61	61	18	-	518
2005	6	1	-	-	-	-	114	110	18	-	249
2006	-	-	-	-	-	-	6	150	27	-	183
2007	-	6	8	137	99	95	60	47	12	-	464
2008[b/]	-	-	-	-	-	-	-	51	-	-	51
South of Cape Falcon											
1976-1980	-	-	1,034	6,435	22,667	16,340	4,280	1,677	577	-	53,010
1981-1985	-	-	1,678	1,199	11,559	7,068	1,368	1,180	346	-	24,400
1986-1990	-	-	4,065	5,011	14,144	8,457	3,289	2,296	292	-	37,495
1991-1995	-	-	1,252	2,027	1,845	1,654	1,339	1,396	88	-	8,792
1996	-	-	1,477	2,003	-	2,004	1,619	1,202	86	-	8,391
1997	-	367	2,089	1,875	-	1,661	1,033	710	67	-	7,802
1998	-	851	1,804	1,706	-	1,370	557	767	116	-	7,171
1999	-	177	607	1,361	733	1,120	455	491	130	8	5,082
2000	-	155	710	952	1,186	1,903	1,294	760	180	69	7,209
2001	-	937	2,029	2,021	1,358	2,201	1,310	914	135	1	10,906
2002	370	855	1,734	2,038	764	1,360	1,677	2,300	158	15	11,271
2003	175	1,397	2,904	1,611	1,011	1,453	1,745	1,554	141	14	12,005
2004	908	2,515	2,210	1,958	927	1,886	1,420	765	247	21	12,857
2005	1,304	370	2,832	2,663	-	-	2,633	1,070	160	75	11,107
2006	-	-	-	1,034	487	186	637	872	305	26	3,547
2007	-	344	1,206	928	363	1,238	364	291	173	1	4,908
2008[b/]	-	-	-	-	-	-	37	63	48	-	148

TABLE A-7. Oregon commercial troll salmon effort in days fished by area and month (beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month).[a/] (Page 4 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
Statewide Total											
1976-1980	-	-	1,238	6,734	23,887	17,184	4,531	1,733	577	1	55,885
1981-1985	-	-	2,080	1,199	11,881	7,407	1,401	1,181	346	-	25,496
1986-1990	-	-	4,211	5,027	14,180	8,804	3,398	2,301	292	-	38,154
1991-1995	-	-	1,287	1,647	1,870	1,753	1,384	1,396	88	-	9,016
1996	-	-	1,477	2,003	-	2,004	1,619	1,202	86	-	8,391
1997	-	367	2,095	1,877	-	1,661	1,033	710	67	-	7,810
1998	-	851	1,804	1,706	-	1,370	557	767	116	-	7,171
1999	-	177	607	1,362	733	1,120	455	491	130	8	5,083
2000	-	155	711	958	1,186	2,149	1,312	760	180	69	7,480
2001	-	937	2,034	2,047	1,442	2,301	1,337	914	135	1	11,148
2002	370	855	1,758	2,094	920	1,554	1,677	2,300	158	15	11,701
2003	175	1,397	2,999	1,631	1,122	1,596	1,789	1,554	141	14	12,418
2004	908	2,515	2,258	1,959	993	1,974	1,564	765	247	21	13,204
2005	1,304	370	3,048	2,699	30	234	2,633	1,070	160	75	11,623
2006	-	-	510	1,333	489	263	730	872	305	26	4,528
2007	-	344	1,283	974	403	1,386	378	291	173	1	5,233
2008[b/]	-	-	279	279	31	46	47	63	48	-	793

a/ Summary of ODFW fish receiving ticket information. Excludes effort occurring off Alaska, Washington, and California. Days fished data are reported by port of landing prior to 1979 and by area of catch after 1978. Catch and landing areas include the following port areas: Astoria area includes Oregon ports from Astoria through Cannon Beach; Tillamook area includes Nehalem through Pacific City; Newport area includes Depoe Bay through Waldport; Coos Bay area prior to 1986 includes Florence through Bandon and after 1987 includes Florence through Port Orford; Brookings area prior to 1986 includes Port Orford through Brookings and after 1987 includes Gold Beach through Brookings. Values include state-waters only terminal area fisheries.

b/ Preliminary.

TABLE A-8. Oregon commercial troll Chinook and coho salmon landings in numbers of fish by catch area and month (beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month).[a/] (Page 1 of 4)

Year or Avg.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season	June	July	Aug.	Sept.	Oct.	Season
	CHINOOK											COHO					
Astoria																	
1952-1975	6,179	4,901	4,813	3,439	2,234	2,715	973	346	-	-	20,451	13,070	24,252	20,450	11,547	1,263	70,582
1976-1980	-	-	5,039	4,624	3,123	1,480	492	577	-	-	15,336	28,655	31,526	12,401	5,569	879	73,122
1981-1985	-	-	4,738	0	499	293	23	2	-	-	5,556	-	18,828	11,874	2,543	-	21,305
1986-1990	-	-	1,791	363	2,225	1,172	765	71	-	-	3,477	-	7,390	21,733	6,281	304	21,364
1991-1995	-	-	318	322	78	187	88	-	-	-	937	-	435	7,655	3,007	-	9,949
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	-	-	25	3	-	-	-	-	-	-	28	-	-	-	-	-	-
1998	-	-	0	0	-	-	-	-	-	-	0	-	-	-	-	-	-
1999	-	-	0	15	-	-	-	-	-	-	15	-	-	-	-	-	-
2000	-	-	9	236	-	1,951	49	-	-	-	2,245	-	-	11,600	658	-	12,258
2001	-	-	380	1,704	925	753	329	-	-	-	4,091	-	3,701	3,376	2,256	-	9,333
2002	-	-	855	3,189	4,241	4,512	-	-	-	-	12,797	-	-	1,515	-	-	1,515
2003	-	-	4,927	1,171	1,310	2,377	599	-	-	-	10,384	-	1,473	3,657	1,311	-	6,441
2004	-	-	1,884	17	381	331	505	-	-	-	3,118	-	718	1,399	6,722	-	8,839
2005	-	-	5,119	927	367	3,672	-	-	-	-	10,085	-	204	2,414	-	-	2,618
2006	-	-	7,167	3,168	1	61	92	-	-	-	10,489	-	10	1,182	222	-	1,414
2007	-	-	777	374	115	163	14	-	-	-	1,443	22	1,040	10,334	157	-	11,553
2008[b/]	-	-	2,616	2,489	127	136	20	-	-	-	5,388	-	49	300	29	-	378
Tillamook																	
1952-1975	-	3	47	436	853	1,355	324	59	-	-	3,078	6,799	24,958	22,977	2,518	102	57,355
1976-1980	-	-	476	3,256	4,108	2,688	505	189	-	-	11,222	49,936	66,185	27,829	2,034	124	126,085
1981-1985	-	-	1,547	283	2,380	1,210	281	199	7	-	5,901	-	68,832	20,120	1,637	-	84,331
1986-1990	-	-	1,745	3,147	8,129	6,212	4,946	2,060	11	-	26,242	-	82,150	29,287	5,397	-	106,658
1991-1995	-	-	306	375	1,435	2,843	1,922	1,607	7	-	6,887	-	45,367	7,065	-	-	48,905
1996	-	-	719	8,565	-	1,088	2,062	702	0	-	13,136	-	-	-	-	-	-
1997	-	41	244	567	-	292	710	440	37	-	2,331	-	-	-	-	-	-
1998	-	165	423	809	-	2,181	2,160	784	42	-	6,564	-	-	-	-	-	-
1999	-	1	259	555	171	963	624	219	12	-	2,804	-	-	-	-	-	-
2000	-	1	170	3,817	569	5,887	1,511	4,151	14	-	16,120	-	-	-	-	-	-
2001	-	791	927	4,799	7,629	6,776	3,968	1,425	42	-	26,357	-	-	-	-	-	-
2002	131	98	1,270	4,684	1,671	5,361	6,983	10,128	5	-	30,331	-	-	-	-	-	-
2003	335	84	13,970	11,718	1,205	1,451	2,649	2,071	33	-	33,516	-	-	-	-	-	-
2004	31	2,967	3,373	562	332	457	1,001	882	72	-	9,677	-	-	-	-	-	-
2005	7,027	498	6,451	10,655	-	-	2,480	866	3	-	27,980	-	-	-	-	-	-
2006	-	-	-	1,153	60	39	450	959	95	-	2,756	-	-	-	-	-	-
2007	-	14	2,757	922	6	59	136	237	47	-	4,178	-	-	1,195	84	-	1,279
2008[b/]	-	-	-	-	-	-	64	12	0	-	76	-	-	-	-	-	-

TABLE A-8. Oregon commercial troll Chinook and coho salmon landings in numbers of fish by catch area and month (beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month).[a/] (Page 2 of 4)

Year or Avg.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season	June	July	Aug.	Sept.	Oct.	Season
	CHINOOK											COHO					
Newport																	
1952-1975	19	192	1,863	6,947	11,599	13,546	6,810	1,524	-	-	42,483	23,816	69,383	72,472	15,038	1,319	182,027
1976-1980	-	-	3,649	6,485	12,469	16,372	4,788	2,828	106	-	46,613	60,615	95,719	54,446	4,784	1,339	192,121
1981-1985	-	-	6,292	2,256	11,737	5,174	959	1,476	111	-	27,917	-	75,337	66,674	4,161	-	109,715
1986-1990	-	-	8,800	14,067	27,795	14,835	6,926	10,533	-	-	82,957	56	108,283	44,241	5,166	-	135,872
1991-1995	-	-	11,091	14,000	14,613	29,112	11,702	10,884	-	-	76,934	58,218	24,704	7,972	-	-	41,190
1996	-	-	22,690	20,565	-	53,636	19,394	11,534	-	-	127,819	-	-	-	-	-	-
1997	-	2,369	24,047	26,925	-	38,819	23,978	2,828	-	-	118,966	-	-	-	-	-	-
1998	-	16,486	34,071	25,029	-	15,983	2,293	930	-	-	94,792	-	-	-	-	-	-
1999	-	612	4,501	5,721	3,163	1,028	98	741	-	-	15,864	-	-	-	-	-	-
2000	-	595	4,426	5,762	4,409	14,178	14,926	4,715	-	-	49,011	-	-	-	-	-	-
2001	-	8,536	45,372	28,016	15,669	40,694	20,356	10,001	-	-	168,644	-	-	-	-	-	-
2002	3,938	4,321	12,233	7,372	5,135	7,648	34,931	56,506	-	-	132,084	-	-	-	-	-	-
2003	674	8,915	24,752	12,180	12,769	22,804	36,204	30,252	-	-	148,550	-	-	-	-	-	-
2004	12,970	12,286	26,499	7,350	8,085	11,018	12,354	726	-	-	91,288	-	-	-	-	-	-
2005	4,171	2,209	7,347	39,240	-	-	29,592	7,505	-	-	90,064	-	-	-	-	-	-
2006	-	-	-	8,505	3,556	923	3,852	1,528	639	-	19,003	-	-	-	-	-	-
2007	-	279	1,553	1,427	323	338	88	54	2	-	4,064	-	-	1,596	276	-	1,872
2008[b/]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coos Bay																	
1952-1975	16	155	2,913	11,578	18,162	26,765	8,692	1,872	111	-	70,148	47,943	96,268	52,431	9,087	964	206,694
1976-1980	-	17	3,113	11,974	30,188	28,911	7,483	3,863	28	-	85,563	88,960	168,959	47,488	2,358	264	290,131
1981-1985	-	-	5,515	4,301	29,871	17,260	5,419	1,129	11	-	63,507	-	115,958	31,021	5	-	131,470
1986-1990	-	-	30,467	28,162	103,530	64,284	18,029	8,518	2,178	-	253,426	22	103,641	44,708	10,213	-	132,522
1991-1995	-	-	1,102	3,642	3,908	4,544	3,587	1,701	451	-	15,554	33,031	35,841	1,069	-	-	35,625
1996	-	-	2,221	10,137	-	6,073	4,511	1,903	845	-	25,690	8	-	-	-	-	8
1997	-	1,982	6,727	7,889	-	5,477	1,098	1,233	455	-	24,861	-	-	-	-	-	-
1998	-	3,302	5,177	7,911	-	2,711	499	1,654	858	-	22,112	-	-	-	-	-	-
1999	-	213	1,292	17,171	4,761	15,229	1,062	1,492	1,225	43	42,488	-	-	-	-	-	-
2000	-	591	1,468	1,862	14,686	27,277	13,918	3,369	1,523	367	65,061	-	-	-	-	-	-
2001	-	9,209	14,253	10,111	14,241	13,237	6,211	3,686	1,303	21	72,272	-	-	-	-	-	-
2002	2,593	6,167	9,949	47,825	5,515	15,292	16,947	16,571	1,250	65	122,174	-	-	-	-	-	-
2003	2,183	49,900	34,800	7,943	5,605	13,066	10,793	6,766	963	137	132,156	-	-	-	-	-	-
2004	8,042	18,736	7,398	14,987	5,651	65,177	11,176	6,714	2,079	182	140,142	-	-	-	-	-	-
2005	17,099	2,075	41,943	-	-	-	49,865	8,799	784	335	120,900	-	-	-	-	-	-
2006	-	-	-	-	-	-	65	962	821	131	1,979	-	-	-	-	-	-
2007	-	1,563	3,018	2,114	1,430	11,963	489	504	621	3	21,705	-	-	2,232	159	-	2,391
2008[b/]	-	-	-	-	-	-	-	-	208	-	208	-	-	-	-	-	-

TABLE A-8. Oregon commercial troll Chinook and coho salmon landings in numbers of fish by catch area and month (beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month).[a/] (Page 3 of 4)

Year or Avg.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season	June	July	Aug.	Sept.	Oct.	Season
	CHINOOK											COHO					
Brookings																	
1952-1975	0	115	1,001	5,127	10,173	8,226	2,936	1,199	1,203	93	28,885	15,507	31,926	10,269	1,028	81	58,810
1976-1980	-	-	1,815	4,472	21,039	27,055	10,526	6,583	2,409	-	73,899	13,633	39,564	8,784	876	174	60,235
1981-1985	-	-	1,782	1,845	10,357	20,079	3,952	3,495	1,113	-	42,623	-	15,830	35,594	-	-	24,728
1986-1990	-	-	5,087	16,802	9,562	8,706	2,844	963	1,460	-	28,825	4,594	7,121	-	-	-	6,375
1991-1995	-	-	265	-	1,682	234	210	1,191	-	-	1,679	-	-	-	-	-	-
1996	-	-	2,876	2,233	-	2,667	-	788	-	-	8,564	-	-	-	-	-	-
1997	-	101	2,348	-	-	255	-	869	-	-	3,573	-	-	-	-	-	-
1998	-	0	69	-	-	75	-	599	-	-	743	-	-	-	-	-	-
1999	-	-	4	-	-	844	150	364	-	-	1,362	-	-	-	-	-	-
2000	-	-	21	-	-	1,405	1,179	861	-	-	3,466	-	-	-	-	-	-
2001	-	-	233	362	-	1,290	986	728	-	-	3,599	-	-	-	-	-	-
2002	5	103	118	952	1,457	1,326	2,305	537	-	-	6,803	-	-	-	-	-	-
2003	0	110	575	484	1,082	1,108	1,119	591	3	-	5,072	-	-	-	-	-	-
2004	6	32	774	2,825	2,305	2,011	271	220	40	-	8,484	-	-	-	-	-	-
2005	87	6	-	-	-	-	1,376	641	156	-	2,266	-	-	-	-	-	-
2006	-	-	-	-	-	-	12	590	136	-	738	-	-	-	-	-	-
2007	-	15	25	727	1,150	1,524	400	209	47	-	4,097	-	-	-	-	-	-
2008[b/]	-	-	-	-	-	-	-	236	-	-	236	-	-	-	-	-	-
South of Cape Falcon																	
1952-1975	35	465	5,824	24,088	40,787	49,892	18,762	4,654	1,313	93	144,594	94,065	222,535	158,148	27,671	2,466	504,885
1976-1980	-	17	9,052	26,186	67,804	75,026	23,302	13,463	2,458	-	217,296	185,506	370,427	138,547	10,052	1,901	668,571
1981-1985	-	-	15,135	8,684	54,345	43,724	10,612	6,299	1,149	-	139,947	-	275,957	97,114	5,803	-	350,243
1986-1990	-	-	46,099	58,818	141,367	90,555	31,607	21,689	1,642	-	391,449	3,700	295,499	95,999	20,776	-	380,152
1991-1995	-	-	12,605	18,016	15,388	29,246	16,869	14,668	453	-	100,382	91,249	105,911	8,382	-	-	109,418
1996	-	-	28,506	41,500	-	63,464	25,967	14,927	845	-	175,209	8	-	-	-	-	8
1997	-	4,493	33,366	35,381	-	44,843	25,786	5,370	492	-	149,731	-	-	-	-	-	-
1998	-	19,953	39,740	33,749	-	20,950	4,952	3,967	900	-	124,211	-	-	-	-	-	-
1999	-	826	6,056	23,447	8,095	18,064	1,934	2,816	1,237	43	62,518	-	-	-	-	-	-
2000	-	1,187	6,085	11,441	19,664	48,747	31,534	13,096	1,537	367	133,658	-	-	-	-	-	-
2001	-	18,536	60,785	43,288	37,539	61,997	31,521	15,840	1,345	21	270,872	-	-	-	-	-	-
2002	6,667	10,689	23,570	60,833	13,778	29,627	61,166	83,742	1,255	65	291,392	-	-	-	-	-	-
2003	3,192	59,009	74,097	32,325	20,661	38,429	50,765	39,680	999	137	319,294	-	-	-	-	-	-
2004	21,049	34,021	38,044	25,724	16,373	78,663	24,802	8,542	2,191	182	249,591	-	-	-	-	-	-
2005	28,384	4,788	55,741	49,895	-	-	83,313	17,811	943	335	241,210	-	-	-	-	-	-
2006	-	-	-	9,658	3,616	962	4,379	4,039	1,691	131	24,476	-	-	-	-	-	-
2007	-	1,871	7,353	5,190	2,909	13,884	1,113	1,004	717	3	34,044	-	-	5,023	519	-	5,542
2008[b/]	-	-	-	-	-	-	64	248	208	-	520	-	-	-	-	-	-

TABLE A-8. Oregon commercial troll Chinook and coho salmon landings in numbers of fish by catch area and month (beginning in 1979, monthly totals are the sum of statistical weeks with closest fit to the calendar month).[a/] (Page 4 of 4)

Year or Avg.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season	June	July	Aug.	Sept.	Oct.	Season
	CHINOOK											COHO					
Statewide Total																	
1952-1975	6,214	5,366	10,638	27,526	43,020	52,608	19,735	4,999	1,313	93	165,045	107,135	246,787	178,599	39,218	3,729	575,468
1976-1980	-	17	14,092	30,810	70,928	76,506	23,794	14,041	2,458	-	232,632	214,161	401,952	150,948	15,621	2,305	741,694
1981-1985	-	-	19,873	8,684	54,844	44,017	10,635	6,301	1,149	-	145,503	-	290,078	84,710	8,346	-	301,499
1986-1990	-	-	47,890	59,035	141,812	91,259	31,913	21,703	1,642	-	394,927	3,700	296,977	89,839	11,112	304	397,243
1991-1995	-	-	12,795	14,606	15,426	29,358	16,904	14,668	453	-	100,945	91,249	70,897	16,037	3,007	19	119,367
1996	-	-	28,506	41,500	-	63,464	25,967	14,927	845	-	175,209	8	-	-	-	-	8
1997	-	4,493	33,391	35,384	-	44,843	25,786	5,370	492	-	149,759	-	-	-	-	-	-
1998	-	19,953	39,740	33,749	-	20,950	4,952	3,967	900	-	124,211	-	-	-	-	-	-
1999	-	826	6,056	23,462	8,095	18,064	1,934	2,816	1,237	43	62,533	-	-	-	-	-	-
2000	-	1,187	6,094	11,677	19,664	50,698	31,583	13,096	1,537	367	135,903	-	-	11,600	658	-	12,258
2001	-	18,536	61,165	44,992	38,464	62,750	31,850	15,840	1,345	21	274,963	-	3,701	3,376	2,256	-	9,333
2002	6,667	10,689	24,425	64,022	18,019	34,139	61,166	83,742	1,255	65	304,189	-	-	1,515	-	-	1,515
2003	3,192	59,009	79,024	33,496	21,971	40,806	51,364	39,680	999	137	329,678	-	1,473	3,657	1,311	-	6,441
2004	21,049	34,021	39,928	25,741	16,754	78,994	25,307	8,542	2,191	182	252,709	-	718	1,399	6,722	-	8,839
2005	28,384	4,788	60,860	50,822	367	3,672	83,313	17,811	943	335	251,295	-	204	2,414	-	-	2,618
2006	-	-	7,167	12,826	3,617	1,023	4,471	4,039	1,691	131	34,965	-	10	1,182	222	-	1,414
2007	-	1,871	8,130	5,564	3,024	14,047	1,127	1,004	717	3	35,487	22	1,040	15,357	676	-	17,095
2008[b/]	-	-	2,616	2,489	127	136	84	248	208	-	5,908	-	49	300	29	-	378

a/ Excludes harvests off Alaska, Washington (north of Leadbetter Point), and California that were landed in Oregon. Landings are reported by port of landing through 1978 and by area of catch beginning in 1979. Catch and landing areas include the following port areas: Astoria area includes Oregon ports from Astoria through Cannon Beach; Tillamook area includes Nehalem through Pacific City; Newport area includes Depoe Bay through Waldport; Coos Bay area prior to 1988 includes Florence through Bandon and after 1987 includes Florence through Port Orford; Brookings area prior to 1988 includes Port Orford through Brookings and after 1987 includes Gold Beach through Brookings. Values include state-waters only terminal area fisheries.

b/ Preliminary.

TABLE A-9. Oregon ocean recreational effort in salmon angler trips by catch area and month.[a/] (Page 1 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
Astoria										
1976-1980	-	0	890	8,582	17,436	25,284	8,325	374	22	60,746
1981-1985	-	-	977	3,269	11,837	9,897	4,192	-	-	26,221
1986-1990	-	-	146	1,110	8,890	9,559	1,423	-	-	17,740
1991-1995	-	-	-	1,496	6,681	6,695	2,084	-	-	15,833
1996	-	-	-	-	963	3,782	889	-	-	5,634
1997	-	-	-	-	2,772	830	-	-	-	3,602
1998	-	-	-	-	-	1,830	284	-	-	2,114
1999	-	-	-	-	2,098	3,653	1,666	-	-	7,417
2000	-	-	-	-	3,994	4,449	-	-	-	8,443
2001	-	-	-	-	7,990	12,960	2,291	-	-	23,241
2002	-	-	155	372	3,989	6,373	1,156	6	-	12,051
2003	-	-	-	151	5,275	12,550	1,250	-	-	19,226
2004	-	-	-	256	4,439	11,290	2,608	-	-	18,593
2005	-	-	-	-	2,246	8,116	2,900	-	-	13,262
2006	-	-	-	-	1,711	5,769	762	-	-	8,242
2007	-	-	-	-	2,548	8,849	989	-	-	12,386
2008[b/]	-	-	66	498	1,875	1,215	-	-	-	3,654
Tillamook										
1976-1980	-	0	1,043	5,476	14,753	18,525	3,792	393	61	43,838
1981-1985	-	-	678	2,040	14,150	14,502	3,413	1,603	-	30,298
1986-1990	-	-	222	2,005	12,063	11,291	4,392	--	--	29,007
1991-1995	-	-	728	1,722	10,452	4,271	2,075	4,879	396	13,369
1996	-	-	762	118	44	464	3,655	3,255	-	8,298
1997	-	0	36	94	8	366	1,418	1,673	--	3,595
1998	-	0	609	59	11	258	2,256	2,900	--	6,093
1999	-	6	643	129	3,427	253	3,126	3,469	104	11,157
2000	-	14	397	108	3,763	388	3,405	3,176	235	11,486
2001	-	0	526	2,827	7,278	895	2,747	2,051	162	16,486
2002	-	11	386	360	7,005	4,787	5,041	6,767	50	24,407
2003	21	5	435	1,860	11,990	5,450	4,819	3,019	395	27,994
2004	8	94	397	2,849	11,855	6,729	4,442	2,647	291	29,312
2005	28	66	463	2,318	3,216	1,622	3,799	599	12	12,123
2006	2	16	382	1,334	3,299	497	5,293	4,988	98	15,909
2007	-	16	828	1,753	4,612	8,074	3,459	2,286	--	21,028
2008[b/]	-	-	-	643	1,269	1,226	3,635	2,348	--	9,121

TABLE A-9. Oregon ocean recreational effort in salmon angler trips by catch area and month.[a/] (Page 2 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
Newport										
1976-1980	-	0	2,686	14,777	37,841	34,826	6,813	1,205	46	97,675
1981-1985	-	-	1,237	6,383	28,951	25,961	3,812	--	-	57,094
1986-1990	-	-	997	7,789	37,404	24,000	5,730	-	-	74,574
1991-1995	-	-	484	3,881	26,682	9,837	1,389	117	-	24,888
1996	-	-	312	188	22	1,789	460	-	-	2,771
1997	-	25	130	169	112	1,686	313	-	-	2,435
1998	-	0	32	88	109	922	152	12	-	1,315
1999	-	6	16	67	7,127	139	46	26	-	7,427
2000	-	4	15	56	11,723	913	272	50	-	13,033
2001	-	0	175	6,648	13,301	2,432	872	143	-	23,571
2002	-	34	123	502	12,360	2,837	1,469	738	-	18,063
2003	24	28	310	3,761	20,799	12,739	1,371	526	-	39,558
2004	36	57	139	4,642	17,640	12,676	3,423	413	-	39,026
2005	0	264	429	3,927	3,562	1,863	3,187	167	-	13,399
2006	8	43	139	1,593	5,785	584	1,919	299	-	10,370
2007	19	26	87	3,472	8,013	8,284	778	46	40	20,765
2008[b/]	-	-	-	1,128	2,301	2,020	-	-	-	5,449
Coos Bay										
1976-1980	-	0	5,296	24,105	44,633	29,677	6,974	652	98	111,116
1981-1985	-	-	3,365	13,367	34,917	20,849	3,452	--	--	63,724
1986-1990	-	-	891	8,744	33,097	15,721	3,842	--	--	61,349
1991-1995	-	-	605	5,646	26,029	8,416	1,728	21	--	25,929
1996	-	-	197	611	577	1,881	651	--	--	3,917
1997	-	4	273	499	753	1,992	411	--	--	3,932
1998	-	0	36	19	255	1,902	123	--	--	2,335
1999	-	0	4	612	5,034	1,775	208	0	--	7,633
2000	-	8	78	164	14,885	7,213	1,140	106	--	23,594
2001	-	0	648	8,073	15,394	6,122	765	60	--	31,062
2002	-	230	786	5,319	17,293	6,570	2,812	388	--	33,398
2003	36	106	950	5,263	21,326	12,880	2,247	90	--	42,898
2004	34	87	954	7,376	19,875	9,368	2,734	34	--	40,462
2005	2	76	578	6,353	7,042	6,312	4,262	12	--	24,637
2006	14	33	279	1,991	9,250	2,736	2,784	81	--	17,168
2007	17	33	329	2,603	9,442	9,550	990	9	--	22,973
2008[b/]	-	-	-	1,482	4,111	1,806	-	-	--	7,399

TABLE A-9. Oregon ocean recreational effort in salmon angler trips by catch area and month.[a/] (Page 3 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
Brookings										
1976-1980	-	0	1,250	11,841	27,828	20,162	6,768	5,604	913	74,368
1981-1985	-	-	2,109	10,478	25,949	15,387	3,357	3,402	230	56,207
1986-1990	-	-	2,226	12,965	24,727	13,463	3,098	5,030	--	58,492
1991-1995	-	-	2,866	5,957	11,093	3,333	4,014	3,831	-	22,694
1996	-	-	1,687	5,922	2,205	6,020	3,226	4,282	-	23,342
1997	-	-	2,477	3,466	2,892	5,461	1,019	1,269	-	16,584
1998	-	-	1,384	2,221	1,546	4,178	2,013	2,755	-	14,097
1999	-	-	151	911	2,485	6,595	3,325	2,318	-	15,785
2000	-	-	186	2,589	2,637	11,912	1,478	3,205	-	22,007
2001	-	-	3,667	4,123	4,409	9,200	362	4,340	-	26,101
2002	-	-	1,767	4,048	528	5,651	3,755	3,973	-	19,722
2003	-	-	1,124	1,480	3,910	4,081	1,522	2,630	-	14,747
2004	-	-	1,232	3,448	3,813	4,396	3,845	1,575	-	18,309
2005	-	-	525	3,510	280	2,802	3,063	2,398	-	12,578
2006	-	-	611	2,657	716	-	3,565	3,081	-	10,630
2007	-	-	332	752	1,600	4,741	424	3,263	-	11,112
2008[b/]	-	-	-	712	2,317	701	-	1,065	-	4,795
South of Cape Falcon										
1976-1980	-	0	10,275	56,199	125,056	103,191	24,348	6,954	974	326,997
1981-1985	-	-	4,749	32,267	103,968	64,436	11,899	3,723	230	207,322
1986-1990	-	-	3,869	31,504	107,292	64,475	14,270	5,030	--	223,421
1991-1995	-	-	4,110	16,015	74,256	11,676	6,091	7,130	396	86,880
1996	-	-	2,958	6,839	2,848	10,154	7,992	7,537	--	38,328
1997	-	29	2,916	4,228	3,765	9,505	3,161	2,942	--	26,546
1998	-	0	2,061	2,387	1,921	7,260	4,544	5,667	--	23,840
1999	-	12	814	1,719	18,073	8,762	6,705	5,813	104	42,002
2000	-	26	676	2,917	33,008	20,426	6,295	6,537	235	70,120
2001	-	0	5,016	21,671	40,382	18,649	4,746	6,594	162	97,220
2002	-	275	3,062	10,229	37,186	19,845	13,077	11,866	50	95,590
2003	81	139	2,819	12,364	58,025	35,150	9,959	6,265	395	125,197
2004	78	238	2,722	18,315	53,183	33,169	14,444	4,669	291	127,109
2005	30	406	1,995	16,108	14,100	12,599	14,311	3,176	12	62,737
2006	24	92	1,411	7,575	19,050	3,817	13,561	8,449	98	54,077
2007	36	75	1,576	8,580	23,667	30,649	5,651	5,604	40	75,878
2008[b/]	-	-	-	3,965	9,998	5,753	3,635	3,413	0	26,764

TABLE A-9. Oregon ocean recreational effort in salmon angler trips by catch area and month.[a/] (Page 4 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
Total All Areas										
1976-1980	-	0	11,165	64,781	142,492	128,475	32,673	7,179	978	387,743
1981-1985	-	-	4,993	27,469	115,805	74,334	13,575	3,723	230	233,544
1986-1990	-	-	3,898	32,392	116,182	72,122	14,554	5,030	--	241,161
1991-1995	-	-	4,110	16,314	62,372	17,032	7,757	7,130	396	99,547
1996	-	-	2,958	6,839	3,811	13,936	8,881	7,537	--	43,962
1997	-	29	2,916	4,228	6,537	10,335	3,161	2,942	--	30,148
1998	-	0	2,061	2,387	1,921	9,090	4,828	5,667	--	25,954
1999	-	12	814	1,719	20,171	12,415	8,371	5,813	104	49,419
2000	-	26	676	2,917	37,002	24,875	6,295	6,537	235	78,563
2001	-	0	5,016	21,671	48,372	31,609	7,037	6,594	162	120,461
2002	-	275	3,217	10,601	41,175	26,218	14,233	11,872	50	107,641
2003	81	139	2,819	12,515	63,300	47,700	11,209	6,265	395	144,423
2004	78	238	2,722	18,571	57,622	44,459	17,052	4,669	291	145,702
2005	30	406	1,995	16,108	16,346	20,715	17,211	3,176	12	75,999
2006	24	92	1,411	7,575	20,761	9,586	14,323	8,449	98	62,319
2007	36	75	1,576	8,580	26,215	39,498	6,640	5,604	40	88,264
2008[b/]	-	-	66	4,463	11,873	6,968	3,635	3,413	0	30,418

a/ Monthly totals are the sum of statistical weeks with closest fit to the calendar month. The 1976-1980 effort is from combined salmon/steelhead punch card and sampled port data. Since 1981, data from sampled ports only. Effort since 1979 consists of salmon angler trips only. Data prior to 1979 include combined bottomfish and salmon trips. Astoria area includes Astoria, Warrenton, and Hammond; Tillamook area includes Garibaldi and Pacific City; Newport area includes Depoe Bay and Newport; Coos Bay area includes Florence, Winchester Bay, and Coos Bay; Brookings area includes Gold Beach and Brookings. Values include state-waters only terminal area fisheries.

b/ Preliminary.

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.[a/] (Page 1 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season	May	June	July	Aug.	Sept.	Oct.[b/]	Season[b/]
	CHINOOK										COHO						
Astoria																	
1976-1980[b/]	-	0	333	3,210	4,073	7,975	1,490	85	4	17,132	897	12,916	20,699	21,677	7,142	323	63,525
1981-1985	-	-	29	922	2,427	1,902	729	-	-	5,364	1,699	4,463	16,455	11,211	5,509	-	33,780
1986-1990	-	-	29	127	954	1,459	87	-	-	2,246	-	1,825	15,220	14,456	1,307	-	28,506
1991-1995	-	-	-	81	224	302	63	-	-	609	-	2,409	10,831	9,892	2,332	-	23,657
1996	-	-	-	-	5	13	10	-	-	28	-	-	1,429	4,670	936	-	7,035
1997	-	-	-	-	128	55	-	-	-	183	-	-	4,455	1,352	-	-	5,807
1998	-	-	-	-	-	94	11	-	-	105	-	-	-	2,021	150	-	2,171
1999	-	-	-	-	219	622	93	-	-	934	-	-	2,465	3,359	1,720	-	7,544
2000	-	-	-	-	435	329	-	-	-	764	-	-	6,751	6,975	-	-	13,726
2001	-	-	-	-	1,000	1,478	140	-	-	2,618	-	-	13,537	21,990	3,662	-	39,189
2002	-	-	33	347	1,540	827	4	3	-	2,754	-	-	4,432	8,530	1,441	-	14,403
2003	-	-	-	8	546	1,659	117	-	-	2,330	-	55	8,237	19,891	1,588	-	29,771
2004	-	-	-	25	303	1,426	429	-	-	2,183	-	368	6,583	13,601	1,946	-	22,498
2005	-	-	-	-	481	2,637	517	-	-	3,635	-	-	2,165	6,337	1,464	-	9,966
2006	-	-	-	-	81	370	58	-	-	509	-	-	1,616	3,560	235	-	5,411
2007	-	-	-	-	81	457	56	-	-	594	-	-	3,812	13,807	778	-	18,397
2008[c/]	-	-	17	152	343	305	-	-	-	817	-	101	1,108	982	-	-	2,191
Tillamook																	
1976-1980[b/]	-	0	104	152	409	655	99	19	29	1,436	342	3,155	6,284	11,402	960	194	22,259
1981-1985	-	0	18	28	790	582	117	42	-	1,533	89	855	10,321	8,671	766	3	20,171
1986-1990	-	0	10	67	441	864	486	--	--	1,766	29	1,993	12,423	8,726	1,827	63	24,621
1991-1995	-	-	62	140	380	186	169	1,237	-	1,084	26	1,457	11,796	3,732	717	-	12,184
1996	-	-	115	5	11	56	670	733	-	1,590	-	-	-	2	4	1	7
1997	-	0	0	4	2	15	154	287	--	462	-	-	1	-	6	-	7
1998	-	0	73	4	0	25	496	526	--	1,124	-	-	-	19	11	2	32
1999	-	0	119	13	184	32	683	524	8	1,563	-	-	1,007	2	11	2	1,022
2000	-	2	45	23	130	29	506	402	63	1,200	-	-	1,920	2	11	8	1,941
2001	-	0	70	235	727	234	826	431	23	2,546	-	3,398	8,771	37	69	22	12,297
2002	-	1	56	108	3,170	2,182	1,531	1,735	0	8,783	-	-	4,753	1,096	41	22	5,912
2003	--	-	54	439	1,724	737	1,468	936	64	5,422	2	1,407	14,049	5,705	42	14	21,219
2004	--	5	40	501	3,146	2,755	940	1,409	69	8,865	-	1,305	8,693	4,212	175	23	14,408
2005	6	10	36	371	684	291	1,142	186	0	2,726	-	543	502	11	2	-	1,058
2006	0	0	40	75	204	14	1,079	1,944	49	3,405	-	184	1,055	-	119	-	1,358
2007	-	0	41	58	109	241	507	474	--	1,430	2	1,206	4,305	6,926	124	-	12,563
2008[c/]	-	-	-	2	-	3	262	201	--	468	-	43	220	930	45	3	1,241

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.[a/] (Page 2 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season	May	June	July	Aug.	Sept.	Oct.[b/]	Season[b/]
	CHINOOK										COHO						
Newport																	
1976-1980[b/]	-	0	112	520	839	806	184	31	1	2,480	1,273	12,737	25,257	22,756	1,813	211	63,962
1981-1985	-	-	18	344	1,462	942	89	--	-	2,706	126	3,484	22,849	19,232	2,241	-	46,040
1986-1990	-	-	68	497	1,687	1,029	601	-	-	3,649	662	9,013	46,079	23,917	3,429	-	82,281
1991-1995	-	-	44	143	1,155	507	65	28	-	1,113	31	8,315	36,626	11,925	1,119	-	40,251
1996	-	-	41	37	7	396	73	-	-	554	-	-	-	31	4	-	35
1997	-	0	45	92	66	999	98	-	-	1,300	-	-	-	14	-	-	14
1998	-	0	28	75	118	166	15	5	-	407	-	-	-	61	-	-	61
1999	-	0	7	9	276	29	9	3	-	333	-	-	3,960	-	-	-	3,960
2000	-	0	9	5	842	452	279	2	-	1,589	-	-	12,341	12	9	-	12,362
2001	-	0	70	362	1,541	2,324	858	160	-	5,315	2	7,803	15,631	16	3	-	23,455
2002	-	14	37	196	3,269	1,031	1,179	804	-	6,530	-	-	9,819	933	22	2	10,776
2003	--	1	95	871	6,939	3,049	1,126	334	-	12,415	-	2,694	21,419	14,419	-	-	38,532
2004	--	17	83	554	6,931	8,225	1,507	485	-	17,802	-	2,707	13,981	6,625	207	-	23,520
2005	0	94	109	392	463	1,000	2,556	92	-	4,706	-	659	376	18	84	-	1,137
2006	2	1	17	77	326	41	128	80	-	672	-	101	3,970	10	473	-	4,554
2007	1	0	13	82	150	163	28	0	16	453	-	2,715	6,516	5,982	175	-	15,388
2008[c/]	-	-	-	-	3	-	-	-	-	3	-	106	865	1,820	-	-	2,791
Coos Bay																	
1976-1980[b/]	-	0	484	2,108	2,866	3,618	1,181	94	24	10,323	7,484	31,027	44,646	20,736	2,845	265	106,898
1981-1985	-	-	37	921	4,075	1,994	436	--	--	7,087	2,106	13,671	29,455	13,020	1,699	--	53,301
1986-1990	-	-	75	1,213	4,999	2,206	963	--	--	9,249	453	10,859	39,003	12,888	1,568	-	64,366
1991-1995	-	-	40	862	1,495	352	231	7	--	2,033	465	12,213	39,345	10,077	2,713	-	59,645
1996	-	-	7	147	289	250	148	--	--	841	-	-	-	14	3	-	17
1997	-	2	35	70	94	388	57	--	--	646	-	-	7	10	-	-	17
1998	-	0	0	2	55	418	13	--	--	488	-	-	-	-	-	-	-
1999	-	0	3	211	867	351	12	0	--	1,444	-	-	1,064	-	-	-	1,064
2000	-	2	9	15	6,994	2,559	479	31	--	10,089	-	-	5,055	43	-	-	5,098
2001	-	0	77	1,441	5,548	2,163	281	3	--	9,513	19	6,470	12,691	152	4	-	19,336
2002	-	140	237	4,840	10,170	2,782	1,213	97	--	19,479	-	35	5,129	134	40	-	5,338
2003	2	21	119	1,626	6,453	5,449	1,366	3	--	15,039	-	3,477	15,393	5,194	22	-	24,086
2004	2	2	192	2,849	11,416	3,666	2,606	13	--	20,746	2	943	8,275	830	84	-	10,134
2005	0	0	56	2,933	3,081	3,273	1,826	2	--	11,171	-	862	544	8	21	-	1,435
2006	0	3	11	388	3,225	927	656	0	--	5,210	-	184	3,321	26	42	-	3,573
2007	2	0	18	115	545	672	62	0	--	1,414	-	813	8,402	3,509	12	-	12,736
2008[c/]	-	-	-	7	3	-	-	-	--	10	-	621	1,726	1,381	-	-	3,728

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.[a/] (Page 3 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season	May	June	July	Aug.	Sept.	Oct.[b/]	Season[b/]
	CHINOOK										COHO						
Brookings																	
1976-1980[b/]	-	0	91	982	2,803	3,365	570	717	75	8,602	378	10,569	15,434	5,252	483	716	32,545
1981-1985	-	-	853	2,140	9,162	4,185	566	507	14	16,395	247	3,102	7,541	2,962	165	4	12,102
1986-1990	-	-	415	5,447	7,146	4,010	1,436	872	-	18,803	350	3,346	11,414	3,280	467	16	18,863
1991-1995	-	-	816	1,506	1,489	533	819	870	-	4,517	97	3,448	5,118	994	386	3	6,341
1996	-	-	549	2,719	314	2,776	558	1,281	-	8,197	-	10	34	26	25	11	106
1997	-	-	844	769	1,034	1,616	149	675	-	5,087	17	26	41	39	4	-	127
1998	-	-	218	343	320	438	249	394	-	1,962	-	6	8	17	-	6	37
1999	-	-	7	44	893	1,680	475	348	-	3,447	-	2	8	32	4	-	46
2000	-	-	16	432	2,060	7,985	515	810	-	11,818	-	-	14	47	-	-	61
2001	-	-	807	996	1,213	3,022	314	856	-	7,208	-	16	11	29	-	13	69
2002	-	-	506	2,532	35	2,654	3,906	301	-	9,934	-	31	16	29	32	-	108
2003	-	-	448	316	1,199	1,354	1,579	552	-	5,448	-	5	17	17	12	-	51
2004	-	-	531	2,325	1,541	1,638	569	233	-	6,837	2	357	673	222	18	3	1,275
2005	-	-	180	2,904	49	989	1,181	404	-	5,707	-	89	0	12	9	-	110
2006	-	-	52	513	186	-	644	397	-	1,792	2	474	117	-	81	7	681
2007	-	-	14	42	116	2,000	343	535	-	3,050	-	132	606	809	19	3	1,569
2008[c/]	-	-	-	-	-	-	-	280	-	280	-	449	1,273	409	-	3	2,134
South of Cape Falcon																	
1976-1980[b/]	-	0	792	3,762	6,917	8,445	2,033	804	90	22,841	9,476	57,488	91,620	60,146	6,100	1,387	225,663
1981-1985	-	-	908	2,071	15,489	7,703	1,208	516	9	27,722	1,988	21,112	70,167	43,292	4,870	4	131,613
1986-1990	-	-	535	7,125	14,274	8,109	3,075	349	--	33,467	1,259	25,210	108,918	48,811	5,926	16	190,131
1991-1995	-	-	798	2,349	4,518	844	1,004	1,024	28	8,747	554	19,075	92,885	11,088	1,663	3	84,075
1996	-	-	712	2,908	621	3,478	1,449	2,014	0	11,182	-	10	34	73	36	12	165
1997	-	2	924	935	1,196	3,018	458	962	0	7,495	17	26	49	63	10	-	165
1998	-	0	319	424	493	1,047	773	925	0	3,981	-	6	8	97	11	8	130
1999	-	0	136	277	2,220	2,092	1,179	875	8	6,787	-	2	6,039	34	15	2	6,092
2000	-	4	79	475	10,026	11,025	1,779	1,245	63	24,696	-	-	19,330	104	20	8	19,462
2001	-	0	1,024	3,034	9,029	7,743	2,279	1,450	23	24,582	21	17,687	37,104	234	76	35	55,157
2002	-	155	836	7,676	16,644	8,649	7,829	2,937	0	44,726	-	66	19,717	2,192	135	24	22,134
2003	2	22	716	3,252	16,315	10,589	5,539	1,825	64	38,324	2	7,583	50,878	25,335	76	14	83,888
2004	2	24	846	6,229	23,034	16,284	5,622	2,140	69	54,250	4	5,312	31,622	11,889	484	26	49,337
2005	6	104	381	6,600	4,277	5,553	6,705	684	0	24,310	-	2,153	1,422	49	116	-	3,740
2006	2	4	120	1,053	3,941	982	2,507	2,421	49	11,079	2	943	8,463	36	715	7	10,166
2007	3	0	86	297	920	3,076	940	1,009	16	6,347	2	4,866	19,829	17,226	330	3	42,256
2008[c/]	-	-	-	9	6	3	262	481	--	761	-	1,219	4,084	4,540	45	6	9,894

TABLE A-10. Oregon ocean recreational salmon landings in numbers of fish by catch area and month.[a/] (Page 4 of 4)

Year or Average	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season	May	June	July	Aug.	Sept.	Oct.[b/]	Season[b/]
	CHINOOK										COHO						
Total All Areas																	
1976-1980[b/]	-	0	1,125	6,972	10,989	16,420	3,522	854	91	39,974	10,373	70,404	112,320	81,823	13,242	1,710	289,189
1981-1985	-	-	915	2,809	17,916	9,605	1,499	516	9	33,085	2,412	20,297	86,622	54,503	7,625	4	165,393
1986-1990	-	-	541	7,227	15,227	9,276	3,093	349	--	35,713	1,259	26,670	124,138	60,376	6,187	16	218,637
1991-1995	-	-	798	2,365	3,613	1,085	1,055	1,024	28	9,234	554	19,677	80,495	19,002	3,528	3	103,001
1991	-	-	203	6,976	6,308	614	315	0	-	14,416	866	53,825	182,401	17,735	4,292	-	259,119
1992	-	-	248	2,531	6,210	1,667	1,213	704	-	12,573	615	24,685	110,590	41,742	8,211	2	185,845
1993	-	-	1,293	239	1,918	2,310	660	0	0	6,420	182	160	27,013	26,489	4,264	-	58,108
1994	-	-	1,948	251	-	272	284	3,282	0	6,037	-	-	-	13	4	-	17
1995	-	-	300	1,829	16	562	2,802	1,133	84	6,726	-	38	1,976	9,031	869	3	11,917
1996	-	-	712	2,908	626	3,491	1,459	2,014	0	11,210	-	10	1,463	4,743	972	12	7,200
1997	-	2	924	935	1,324	3,073	458	962	0	7,678	17	26	4,504	1,415	10	-	5,972
1998	-	0	319	424	493	1,141	784	925	0	4,086	-	6	8	2,118	161	8	2,301
1999	-	0	136	277	2,439	2,714	1,272	875	8	7,721	-	2	8,504	3,393	1,735	2	13,636
2000	-	4	79	475	10,461	11,354	1,779	1,245	63	25,460	-	-	26,081	7,079	20	8	33,188
2001	-	0	1,024	3,034	10,029	9,221	2,419	1,450	23	27,200	21	17,687	50,641	22,224	3,738	35	94,346
2002	-	155	869	8,023	18,184	9,476	7,833	2,940	0	47,480	-	66	24,149	10,722	1,576	24	36,537
2003	2	22	716	3,260	16,861	12,248	5,656	1,825	64	40,654	2	7,638	59,115	45,226	1,664	14	113,659
2004	2	24	846	6,254	23,337	17,710	6,051	2,140	69	56,433	4	5,680	38,205	25,490	2,430	26	71,835
2005	6	104	381	6,600	4,758	8,190	7,222	684	0	27,945	-	2,153	3,587	6,386	1,580	-	13,706
2006	2	4	120	1,053	4,022	1,352	2,565	2,421	49	11,588	2	943	10,079	3,596	950	7	15,577
2007	3	0	86	297	1,001	3,533	996	1,009	16	6,941	2	4,866	23,641	31,033	1,108	3	60,653
2008[c/]	-	-	17	161	349	308	262	481	--	1,578	-	1,320	5,192	5,522	45	6	12,085

a/ Monthly totals are the sum of statistical weeks with closest fit to the calendar month and may include illegal catch. The 1976-1980 catch is from combined salmon/steelhead punch card and sampled port data. Since 1981, data are from sampled ports only. Astoria area includes Astoria, Warrenton, and Hammond; Tillamook area includes Garibaldi and Pacific City; Newport area includes Depoe Bay and Newport; Coos Bay area includes Florence, Winchester Bay, and Coos Bay; Brookings area includes Gold Beach and Brookings. Values include state-waters only terminal area fisheries.

b/ October, season, and total catch for the following port areas and years includes the following catch in November: Astoria 1976 - 29 coho; Tillamook 1976 - 38 coho; Newport 1976 - 22 coho; Coos Bay 1976 - 66 coho; Brookings 1976 - 367 coho.

c/ Preliminary.

TABLE A-11. Summary of Washington non-Indian commercial troll salmon fishing effort in days fished and landings in numbers of fish by catch area. (Page 1 of 2)

Year					Washington				
or Avg.	Ilwaco	Westport	La Push	Neah Bay[a/]	Subtotal	Oregon	California	Alaska	Total
				DAYS FISHED					
1976-1980	9,007	15,023	9,446	9,707	43,184	664	42	970	44,860
1981-1985	1,961	5,194	1,553	3,111	11,819	244	18	25	12,106
1986-1990	871	2,619	300	928	4,718	100	0	3	4,821
1991-1995	335	2,079	243	1,421	4,476	100	0	3	4,579
1996	-	139	18	255	412	67	0	0	479
1997	0	102	120	230	452	46	0	0	498
1998	-	6	38	95	139	0	0	0	139
1999	0	320	37	372	729	6	0	0	735
2000	59	74	64	224	421	30	0	0	451
2001	76	435	39	214	764	174	0	0	938
2002	65	782	94	397	1,338	272	0	0	1,610
2003	114	603	313	668	1,698	188	0	0	1,886
2004	52	575	246	508	1,381	0	0	0	1,381
2005	103	570	282	483	1,438	-	0	0	1,438
2006	134	367	597	340	1,438	-	0	0	1,438
2007	100	638	436	100	1,274	-	0	0	1,274
2008[b/]	128	655	331	109	1,223	-	-	0	1,223
				CHINOOK LANDINGS					
1976-1980	23,518	81,100	44,972	33,934	183,524	4,878	648	12,666	201,716
1981-1985	9,172	34,995	7,061	10,074	61,303	901	184	203	62,591
1986-1990	5,089	27,281	4,251	9,601	46,222	1,431	0	1	47,654
1991-1995	1,386	13,907	2,769	12,082	25,628	1,431	0	1	27,060
1996	-	-	-	-	-	1,490	0	0	1,490
1997	0	339	2,294	3,785	6,418	1,362	0	0	7,780
1998	-	79	1,690	4,160	5,929	0	0	0	5,929
1999	0	4,144	614	12,698	17,456	172	0	0	17,628
2000	553	755	1,413	7,548	10,269	1,035	0	0	11,304
2001	944	12,903	1,129	6,253	21,229	6,309	0	0	27,538
2002	1,756	30,329	3,026	18,708	53,819	7,701	0	0	61,520
2003	1,920	16,773	6,995	30,514	56,202	4,599	0	0	60,801
2004	358	11,088	4,842	19,084	35,372	0	0	0	35,372
2005	1,486	15,178	6,411	11,991	35,066	-	0	0	35,066
2006	2,124	2,557	7,877	4,211	16,769	-	0	0	16,769
2007	500	8,111	5,103	554	14,268	-	0	0	14,268
2008[b/]	1,242	4,673	2,222	499	8,636	-	-	0	8,636

TABLE A-11. Summary of Washington non-Indian commercial troll salmon fishing effort in days fished and landings in numbers of fish by catch area. (Page 2 of 2)

Year or Avg.	Ilwaco	Westport	La Push	Neah Bay[a/]	Washington Subtotal	Oregon	California	Alaska	Total
				COHO LANDINGS					
1976-1980	136,926	207,515	203,330	156,502	704,272	21,460	1,595	15,218	742,545
1981-1985	32,087	63,633	34,020	42,272	152,480	8,260	33	876	161,649
1986-1990	23,765	15,616	4,139	19,563	54,379	1,501	0	103	55,983
1991-1995	5,957	8,689	2,876	13,939	27,800	1,501	0	103	29,404
1996	-	4,075	409	13,042	17,526	0	-	0	17,526
1997	-	-	-	-	-	0	-	0	0
1998	-	-	-	-	-	0	-	0	0
1999	27	618	1,292	1,913	3,850	0	-	0	3,850
2000	2,799	2,468	-	-	5,267	0	-	0	5,267
2001	1,458	6,209	165	280	8,112	91	-	0	8,203
2002	127	53	-	-	180	0	-	0	180
2003	1,290	3,200	2,784	1,683	8,957	7	-	0	8,964
2004	1,130	6,365	3,175	2,623	13,293	0	-	0	13,293
2005	638	373	94	337	1,442	-	-	0	1,442
2006	74	184	766	241	1,265	-	-	0	1,265
2007	2,865	1,783	1,091	147	5,886	-	-	0	5,886
2008[b/]	77	1,132	490	7	1,706	-	-	0	1,706
				PINK LANDINGS[c/]					
1976-1980	3,598	27,219	143,277	238,787	412,880	1,829	0	2,380	417,089
1981-1985	1,272	7,589	22,914	107,620	139,394	342	1	263	140,000
1986-1990	45	412	364	18,894	19,714	19	0	0	19,733
1991-1995	30	11	1,773	23,992	25,792	19	0	0	25,811
1996	0	0	0	0	0	0	0	0	0
1997	0	1	0	4	5	0	0	0	5
1998	0	0	0	0	0	0	0	0	0
1999	0	2	13	38	53	0	0	0	53
2000	0	0	0	0	0	0	0	0	0
2001	2	14	0	16	32	91	0	0	123
2002	0	0	0	0	0	0	0	0	0
2003	36	37	108	70	251	7	0	0	258
2004	0	0	0	0	0	0	0	0	0
2005	0	3	5	0	8	-	0	0	8
2006	0	0	0	0	0	-	0	0	0
2007	0	1	122	24	147	-	0	0	147
2008[b/]	0	0	0	0	0	-	-	0	0

a/ Neah Bay data includes landings from Subarea 4B.

b/ Preliminary.

c/ Landings primarily in odd-years only, averages are odd-year average.

TABLE A-12. Washington non-Indian commercial troll salmon fishing effort in days fished by catch area and month.[a/] (Page 1 of 3)

Year or Avg.	May	June	July	Aug.	Sept.[b/]	Oct.	Season
Neah Bay[c/]							
1976-1980	656	402	3,064	4,198	1,734	-	9,707
1981-1985	416	53	1,662	1,332	14	-	3,111
1986-1990	480	178	8	434	-	-	928
1991-1995	652	416	296	406	132	-	1,421
1996	-	-	108	147	-	-	255
1997	168	62	-	-	-	-	230
1998	87	8	-	-	-	-	95
1999	154	105	84	29	-	-	372
2000	149	75	-	-	-	-	224
2001	84	81	49	-	-	-	214
2002	97	81	139	80	-	-	397
2003	280	92	150	132	14	-	668
2004	198	1	160	116	33	-	508
2005	164	24	149	146	-	-	483
2006	144	89	15	54	38	-	340
2007	49	10	37	2	2	-	100
2008[d/]	34	65	1	9	0	-	109
La Push							
1976-1980	570	541	3,812	3,609	1,143	-	9,446
1981-1985	175	25	1,199	505	-	-	1,553
1986-1990	186	110	5	136	15	-	300
1991-1995	74	85	127	52	16	-	243
1996	-	-	11	7	-	-	18
1997	54	66	-	-	-	-	120
1998	34	4	-	-	-	-	38
1999	11	0	12	9	5	-	37
2000	44	20	-	-	-	-	64
2001	29	4	6	-	-	-	39
2002	0	3	53	38	-	-	94
2003	42	24	148	91	8	-	313
2004	17	4	105	99	21	-	246
2005	65	23	69	125	-	-	282
2006	39	179	63	209	107	-	597
2007	29	180	168	57	2	-	436
2008[d/]	10	118	119	73	11	-	331

TABLE A-12. Washington non-Indian commercial troll salmon fishing effort in days fished by catch area and month.[a/]
(Page 2 of 3)

Year or Avg.	May	June	July	Aug.	Sept.[b/]	Oct.	Season
Westport							
1976-1980	2,255	1,320	5,000	4,231	2,218	-	15,023
1981-1985	2,109	250	2,790	1,087	-	-	5,194
1986-1990	1,723	614	855	390	-	-	2,619
1991-1995	852	552	352	235	309	-	2,079
1996	-	-	62	77	-	-	139
1997	72	30	-	-	-	-	102
1998	6	0	-	-	-	-	6
1999	106	126	39	48	1	-	320
2000	0	0	-	71	3	-	74
2001	96	127	104	70	38	-	435
2002	331	99	228	124	-	-	782
2003	99	79	178	192	55	-	603
2004	245	5	127	127	71	-	575
2005	263	57	119	131	-	-	570
2006	176	113	21	33	24	-	367
2007	367	63	149	55	4	-	638
2008[d/]	202	170	103	131	49	-	655
Ilwaco							
1976-1980	695	673	3,199	2,907	1,668	-	9,007
1981-1985	566	97	1,092	710	568	-	1,961
1986-1990	197	61	284	583	578	-	871
1991-1995	95	9	63	160	44	-	335
1996	-	-	-	-	-	-	-
1997	0	0	-	-	-	-	0
1998	0	0	-	-	-	-	-
1999	0	0	-	-	-	-	0
2000	0	0	-	48	11	-	59
2001	24	1	13	26	12	-	76
2002	16	1	26	22	-	-	65
2003	18	4	41	32	19	-	114
2004	3	3	16	18	12	-	52
2005	14	15	25	49	-	-	103
2006	71	54	1	2	6	-	134
2007	22	27	10	31	10	-	100
2008[d/]	34	80	3	8	3	-	128

TABLE A-12. Washington non-Indian commercial troll salmon fishing effort in days fished by catch area and month.[a/]
(Page 3 of 3)

Year or Avg.	May	June	July	Aug.	Sept.[b/]	Oct.	Season
Statewide Total							
1976-1980	4,177	2,800	15,075	14,944	6,187	-	43,184
1981-1985	3,266	382	6,469	2,956	291	-	11,819
1986-1990	2,452	876	580	1,100	585	-	4,718
1991-1995	1,673	1,063	838	755	333	-	4,476
1996	-	-	181	231	-	-	412
1997	294	158	-	-	-	-	452
1998	127	12	-	-	-	-	139
1999	271	231	135	86	6	-	729
2000	193	95	-	119	14	-	421
2001	233	213	172	96	50	-	764
2002	444	184	446	264	-	-	1,338
2003	439	199	517	447	96	-	1,698
2004	463	13	408	360	137	-	1,381
2005	506	119	362	451	-	-	1,438
2006	430	435	100	298	175	-	1,438
2007	467	280	364	145	18	-	1,274
2008[d/]	280	433	226	221	63	-	1,223

a/ Summary of Washington Department of Fish and Wildlife fish receiving ticket information by statistical month, excluding Washington landings from Oregon, California, and Alaska.

b/ Data for September includes any effort after September.

c/ Neah Bay area includes effort and catches from Strait of Juan de Fuca Area 4B.

d/ Preliminary.

TABLE A-13. Washington non-Indian commercial troll Chinook, coho, and pink salmon landings in numbers of fish by catch area and month.[a/] (Page 1 of 3)

Year or Avg.	May	June	July	Aug.	Sept.[b/]	Season	May	June	July	Aug.	Sept.[b/]	Season	May	June	July	Aug.	Sept.[b/]	Season
			CHINOOK						**COHO**						**PINKS**			
Neah Bay[c/]																		
1976-1980	6,781	3,805	12,440	8,782	2,659	33,934	-	19,014	67,297	58,787	33,270	156,502	45	235	42,003	192,169	4,336	238,787
1981-1985	3,293	532	6,289	1,424	31	10,074	-	-	43,965	15,853	100	42,272	113	20	38,466	103,127	415	107,620
1986-1990	8,157	4,180	74	672	-	9,601	-	-	776	24,066	-	19,563	0	-	1,524	36,263	-	18,894
1991-1995	8,818	5,679	1,388	424	366	12,082	-	-	3,378	9,604	5,293	13,939	9	9	64	23,603	535	23,992
1996	-	-	-	-	-	-	-	-	5,516	7,526	-	13,042						
1997	3,236	549	-	-	-	3,785	-	-	-	-	-	-	2	2	-	-	-	4
1998	4,043	117	-	-	-	4,160	-	-	-	-	-	-						
1999	2,808	4,938	3,428	1,524	-	12,698	-	-	477	1,436	-	1,913	0	0	30	8	-	38
2000	5,462	2,086	-	-	-	7,548	-	-	-	-	-	-						
2001	2,072	2,284	1,897	-	-	6,253	-	-	280	-	-	280	1	8	7	-	-	16
2002	5,626	4,680	5,589	2,813	-	18,708	-	-	-	-	-	-						
2003	13,364	4,385	6,554	5,848	363	30,514	-	-	706	866	111	1,683	0	0	47	23	0	70
2004	7,128	510	4,685	5,727	1,034	19,084	-	-	647	1,745	231	2,623						
2005	4,929	595	3,285	3,182	-	11,991	-	-	62	275	-	337	0	0	0	0	-	0
2006	2,434	545	109	662	461	4,211	-	-	12	206	23	241						
2007	223	122	171	20	18	554	-	-	143	0	4	147	8	0	16	0	0	24
2008[d/]	47	434	1	17	0	499	-	-	0	7	0	7						
La Push																		
1976-1980	6,487	5,777	19,674	10,996	2,548	44,972	-	46,357	112,723	63,373	22,453	203,330	281	156	39,572	102,977	293	143,277
1981-1985	1,879	257	4,971	1,313	-	7,061	-	-	29,610	8,820	-	34,020	39	-	7,150	15,725	-	22,914
1986-1990	3,225	2,241	40	527	11	4,251	-	-	350	5,397	16	4,139	0	-	728	0	-	364
1991-1995	921	1,020	734	335	11	2,769	-	-	1,773	1,465	1,050	2,876	0	0	20	1,736	46	1,773
1996	-	-	-	-	-	-	-	-	245	164	-	409						
1997	1,037	1,257	-	-	-	2,294	-	-	-	-	-	-	0	0	-	-	-	0
1998	1,625	65	-	-	-	1,690	-	-	-	-	-	-						
1999	128	0	336	150	-	614	-	-	35	929	328	1,292	0	0	0	13	0	13
2000	1,072	341	-	-	-	1,413	-	-	-	-	-	-						
2001	843	106	180	-	-	1,129	-	-	165	-	-	165	0	0	0	-	-	0
2002	0	72	1,803	1,151	-	3,026	-	-	-	-	-	-						
2003	964	787	3,564	1,631	49	6,995	-	-	1,752	928	104	2,784	0	0	63	35	10	108
2004	237	273	1,974	2,056	302	4,842	-	-	1,059	1,847	269	3,175						
2005	1,939	450	1,469	2,553	-	6,411	-	-	2	92	-	94	4	0	0	1	-	5
2006	723	2,371	844	2,658	1,281	7,877	-	-	100	551	115	766						
2007	144	2,932	1,588	437	2	5,103	-	-	803	286	2	1,091	0	19	103	0	0	122
2008[d/]	24	1,259	501	380	58	2,222	-	-	186	265	39	490						

TABLE A-13. Washington non-Indian commercial troll Chinook, coho, and pink salmon landings in numbers of fish by catch area and month (odd year averages).[a/] (Page 2 of 3)

Year or Avg.	May	June	July	Aug.	Sept.[b/]	Season	May	June	July	Aug.	Sept.[b/]	Season	May	June	July	Aug.	Sept.[b/]	Season
			CHINOOK						**COHO**						**PINKS**			
Westport																		
1976-1980	28,493	15,087	18,923	13,306	5,291	81,100	97	69,485	123,307	52,640	17,651	207,515	239	53	13,298	13,510	119	27,219
1981-1985	20,022	2,850	13,121	3,661	-	34,995	-	-	55,366	11,022	-	63,633	78	20	4,976	3,773	-	7,589
1986-1990	17,976	6,478	17,639	1,489	-	27,281	-	-	34,992	9,157	-	15,616	115	182	390	23	-	412
1991-1995	6,118	5,160	1,807	1,207	929	13,907	-	-	1,968	3,364	6,020	8,689	2	1	4	6	4	11
1996	-	-	-	-	-	-	-	-	1,376	2,699	-	4,075						
1997	241	98	-	-	-	339	-	-	-	-	-	-	0	1	-	-	-	1
1998	79	0	-	-	-	79	-	-	-	-	-	-						
1999	1,255	2,137	266	486	-	4,144	-	-	161	448	9	618	0	1	1	0	-	2
2000	0	0	-	752	3	755	-	-	-	2,419	49	2,468						
2001	4,177	4,798	2,863	846	219	12,903	-	-	1,524	2,070	2,615	6,209	0	1	13	0	0	14
2002	12,384	6,249	7,879	3,817	-	30,329	-	-	-	53	-	53						
2003	3,592	3,636	4,254	4,577	714	16,773	-	-	821	1,961	418	3,200	0	0	32	5	0	37
2004	7,889	374	1,232	1,102	491	11,088	-	-	336	1,060	4,969	6,365						
2005	11,426	1,159	1,255	1,338	-	15,178	-	-	102	271	-	373	0	0	2	1	-	3
2006	1,578	632	120	138	89	2,557	-	-	10	59	115	184						
2007	5,326	814	1,700	264	7	8,111	-	-	998	757	28	1,783	0	0	0	1	0	1
2008[d/]	1,380	1,657	671	764	201	4,673	-	-	165	645	322	1,132						
Ilwaco																		
1976-1980	7,990	6,369	3,933	3,312	3,188	23,518	6	92,879	72,101	28,995	17,251	136,926	5	5	1,817	1,348	423	3,598
1981-1985	6,464	1,263	2,309	603	418	9,172	-	-	29,801	14,415	13,373	32,087	4	-	931	647	-	1,272
1986-1990	2,998	901	1,324	1,518	937	5,089	-	-	10,844	19,388	13,026	23,765	0	0	87	1	1	45
1991-1995	1,147	36	57	156	15	1,386	-	-	477	5,019	930	5,957	0	0	0	30	0	30
1996	-	-	-	-	-	-	-	-	-	-	-	-						
1997	0	0	-	-	-	0	-	-	-	-	-	-	0	0	-	-	-	0
1998	0	0	-	-	-	-	-	-	-	-	-	-						
1999	0	0	-	-	-	0	-	-	-	27	-	27	0	0	-	-	-	0
2000	0	0	-	513	40	553	-	-	-	2,414	385	2,799						
2001	518	9	111	148	158	944	-	-	351	594	513	1,458	0	0	0	2	0	2
2002	371	48	855	482	-	1,756	-	-	-	127	-	127						
2003	790	110	486	383	151	1,920	-	-	417	512	361	1,290	0	0	34	2	0	36
2004	56	77	72	99	54	358	-	-	188	309	633	1,130						
2005	254	308	262	662	-	1,486	-	-	154	484	-	638	0	0	0	0	-	0
2006	1,746	364	0	1	13	2,124	-	-	7	29	38	74						
2007	173	226	43	50	8	500	-	-	338	2,401	126	2,865	0	0	0	0	0	0
2008[d/]	361	847	7	24	3	1,242	-	-	4	65	8	77						

TABLE A-13. Washington non-Indian commercial troll Chinook, coho, and pink salmon landings in numbers of fish by catch area and month (odd year averages).[a/] (Page 3 of 3)

Year or Avg.	May	June	July	Aug.	Sept.[b/]	Season	May	June	July	Aug.	Sept.[b/]	Season	May	June	July	Aug.	Sept.[b/]	Season
			CHINOOK						**COHO**						**PINKS**			
Statewide Total																		
1976-1980	49,751	29,764	54,970	36,395	12,644	183,524	36	227,735	375,428	203,795	79,481	704,272	570	449	96,689	310,003	5,170	412,880
1981-1985	31,659	4,389	26,113	5,153	225	61,303	-	-	140,300	37,526	4,524	152,480	234	33	51,212	87,639	415	139,394
1986-1990	30,079	11,970	9,576	2,950	943	46,222	-	-	23,869	49,522	13,034	54,379	115	182	2,729	36,287	1	19,714
1991-1995	17,003	11,895	3,985	1,396	1,132	25,628	-	-	7,595	17,356	8,862	27,800	10	9	88	25,360	390	25,792
1996	-	-	-	-	-	-	-	-	7,137	10,389	-	17,526						
1997	4,514	1,904	-	-	-	6,418	-	-	-	-	-	-	2	3	-	-	-	5
1998	5,747	182	-	-	-	5,929	-	-	-	-	-	-						
1999	4,191	7,075	4,030	2,160	-	17,456	-	-	673	2,840	337	3,850	0	1	31	21	0	53
2000	6,534	2,427	-	1,265	43	10,269	-	-	-	4,833	434	5,267						
2001	7,610	7,197	5,051	994	377	21,229	-	-	2,320	2,664	3,128	8,112	1	9	20	2	0	32
2002	18,381	11,049	16,126	8,263	-	53,819	-	-	-	180	-	180						
2003	18,710	8,918	14,858	12,439	1,277	56,202	-	-	3,696	4,267	994	8,957	0	0	176	65	10	251
2004	15,310	1,234	7,963	8,984	1,881	35,372	-	-	2,230	4,961	6,102	13,293						
2005	18,548	2,512	6,271	7,735	-	35,066	-	-	320	1,122	-	1,442	4	0	2	2	-	8
2006	6,481	3,912	1,073	3,459	1,844	16,769	-	-	129	845	291	1,265						
2007	5,866	4,094	3,502	771	35	14,268	-	-	2,282	3,444	160	5,886	8	19	119	1	0	147
2008[d/]	1,812	4,197	1,180	1,185	262	8,636	-	-	355	982	369	1,706						

a/ Summary of Washington Department of Fish and Wildlife fish receiving ticket information by statistical month excluding Washington landings from Oregon, California, and Alaska.

b/ Data for September include any catch after September.

c/ Cape Flattery area includes effort and catches from Strait of Juan de Fuca Area 4B.

d/ Preliminary.

TABLE A-14. Treaty Indian ocean troll salmon fishing effort in deliveries by catch area and month. (Page 1 of 3)

Year or Avg.	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.[b/]	Nov.-Dec.	Total May-Sept.	Year Total
Area 4B										
1976-1980	207	33	41	37	44	22	4	37	177	424
1981-1985	167	53	43	54	57	16	14	32	224	436
1986-1990	167	63	53	75	92	24	2	43	309	520
1991-1995	75	35	27	29	64	3	26	26	158	269
1996	45	7	21	2	20	10	-	4	60	109
1997	9	17	21	0	46	10	-	2	94	105
1998	6	7	2	0	11	8	-	2	28	36
1999	6	19	12	0	35	2	-	1	68	75
2000	5	11	16	1	11	0	-	1	39	45
2001	22	42	33	47	60	23	-	5	205	232
2002	13	8	12	5	1	0	-	3	26	42
2003	5	2	1	2	0	3	-	2	8	15
2004	28	0	12	38	68	22	-	107	140	275
2005	103	21	32	45	5	3	-	206	106	415
2006	28	13	157	16	15	10	-	39	211	278
2007[a/]	179	9	29	60	23	0	-	65	121	365
2008[a/]	52	9	20	68	104	22	-	33	223	308
Neah Bay										
1976-1980	2	14	59	93	65	19	2	2	250	257
1981-1985	0	11	59	115	140	100	3	0	424	427
1986-1990	1	44	52	167	149	75	0	0	486	487
1991-1995	0	29	34	83	95	28	0	1	269	271
1996	1	5	13	0	53	70	-	0	141	142
1997	0	8	26	0	74	40	-	0	148	148
1998	0	22	15	3	19	34	-	1	93	94
1999	0	23	25	5	78	69	-	0	200	200
2000	0	32	23	4	38	0	-	0	97	97
2001	0	11	31	74	112	79	-	0	307	307
2002	1	23	29	54	44	41	-	0	191	192
2003	2	21	25	61	53	40	-	0	200	202
2004	0	26	37	86	78	52	-	0	279	279
2005	0	67	110	78	133	67	-	0	455	455
2006	1	78	118	138	112	101	-	2	547	550
2007[a/]	0	11	151	148	123	4	-	0	437	437
2008[a/]	1	15	76	55	83	68	-	0	297	298

TABLE A-14. Treaty Indian ocean troll salmon fishing effort in deliveries by catch area and month. (Page 2 of 3)

Year or Avg.	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.[b/]	Nov.-Dec.	Total May-Sept.	Year Total
La Push										
1976-1980	0	14	37	54	43	8	0	0	156	156
1981-1985	0	10	26	86	93	29	0	0	243	243
1986-1990	0	21	39	119	150	37	-	-	366	366
1991-1995	0	3	7	44	100	5	-	-	160	160
1996	0	0	0	0	6	10	-	-	16	16
1997	0	0	0	0	0	0	-	-	0	0
1998	0	0	1	0	7	0	-	-	8	8
1999	0	0	2	0	3	0	-	-	5	5
2000	0	0	1	0	1	0	-	-	2	2
2001	0	0	0	0	0	2	-	-	2	2
2002	0	0	0	1	2	0	10	-	3	13
2003	0	0	1	0	0	0	15	-	1	16
2004	0	0	0	2	2	0	15	-	4	19
2005	0	1	1	3	3	1	0	-	9	9
2006	0	2	7	11	8	3	5	-	31	36
2007[a/]	0	2	19	6	18	1	0	-	46	46
2008[a/]	0	3	21	18	9	2	1	-	53	54
Westport										
1976-1980	0	1	1	8	10	0	0	0	20	20
1981-1985	0	6	12	30	23	2	0	0	72	72
1986-1990	0	10	24	73	68	24	-	-	199	199
1991-1995	0	1	4	26	52	10	-	-	95	95
1996	0	1	0	40	23	0	-	-	64	64
1997	0	0	1	0	44	12	-	-	57	57
1998	0	4	1	0	4	1	-	-	10	10
1999	0	1	7	0	1	0	-	-	9	9
2000	0	0	1	0	5	0	-	-	6	6
2001	0	0	1	1	0	0	-	-	2	2
2002	0	0	1	1	4	0	-	-	6	6
2003	0	1	0	0	4	2	-	-	7	7
2004	0	1	0	1	4	2	-	-	8	8
2005	0	9	3	0	9	6	-	-	27	27
2006	0	3	3	2	5	3	-	-	16	16
2007[a/]	0	0	0	4	11	2	-	-	17	17
2008[a/]	0	3	4	2	29	3	-	-	41	41

TABLE A-14. Treaty Indian ocean troll salmon fishing effort in deliveries by catch area and month. (Page 3 of 3)

Year or Avg.	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.[b/]	Nov.-Dec.	Total May-Sept.	Year Total
Statewide Total										
1976-1980	209	61	137	192	162	50	6	39	603	858
1981-1985	167	79	141	284	313	146	17	32	963	1,179
1986-1990	168	138	168	434	460	161	2	43	1,360	1,572
1991-1995	75	69	71	182	311	48	10	27	682	794
1996	46	13	34	42	102	90	-	4	281	331
1997	9	25	48	0	164	62	-	2	299	310
1998	6	33	19	3	41	43	-	3	139	148
1999	6	43	46	5	117	71	-	1	282	289
2000	5	43	41	5	55	0	-	1	144	150
2001	22	53	65	122	172	104	-	5	516	543
2002	14	31	42	61	51	41	10	3	226	253
2003	7	24	27	63	57	45	15	2	216	240
2004	28	27	49	127	152	76	15	107	431	581
2005	103	98	146	126	150	77	0	206	597	906
2006	29	96	285	167	140	117	5	41	805	880
2007[a/]	179	22	199	218	175	7	0	65	621	865
2008[a/]	53	30	121	143	225	95	1	33	614	701

a/ Preliminary.

b/ October effort beginning in 2002 occurred during Quileute ceremonial and subsistence fishery.

TABLE A-15. Treaty Indian ocean troll Chinook and coho salmon landings in numbers of fish by catch area and month. (Page 1 of 3)

Year or Avg.	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.-Dec.	Total May-Sept.	Total Year	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.-Dec.	Total May-Sept.	Total Year
	CHINOOK										**COHO**									
Area 4B																				
1976-1980	8,521	360	641	98	103	27	10	776	1,229	10,536	406	23	499	191	252	152	5	61	1,116	1,589
1981-1985	13,109	1,066	248	94	49	29	145	823	1,485	15,562	42	245	184	825	1,015	208	36	7	2,476	2,561
1986-1990	6,009	2,540	1,746	284	323	63	12	2,677	4,956	13,654	9	0	65	2,150	7,766	813	7	13	10,794	10,822
1991-1995	3,549	467	865	60	282	2	147	1,068	1,677	6,323	2	0	0	554	4,036	30	257	7	4,620	4,731
1996	2,555	437	1,440	120	75	106	-	81	2,178	4,814	0	0	0	0	936	189	-	0	1,125	1,125
1997	439	644	416	0	213	26	-	16	1,299	1,754	0	0	0	0	3,517	279	-	0	3,796	3,796
1998	97	92	23	0	136	21	-	40	272	409	0	0	0	0	434	175	-	0	609	609
1999	237	386	145	0	132	0	-	15	663	915	0	0	0	0	1,048	17	-	0	1,065	1,065
2000	141	298	273	7	9	0	-	10	587	738	0	0	0	0	170	0	-	0	170	170
2001	1,364	1,208	4,293	928	478	137	-	273	7,044	8,681	0	0	1	2,543	3,103	730	-	1	6,377	6,378
2002	366	467	848	113	31	0	-	25	1,459	1,850	0	0	0	0	0	0	-	0	0	0
2003	187	25	46	14	0	2	-	3	87	277	0	0	0	4	0	141	-	0	145	145
2004	1,555	0	2,544	1,032	1,910	1,647	-	14,588	7,133	23,276	0	0	0	1,958	12,817	1,829	-	108	16,604	16,712
2005	999	238	3,764	522	6	6	-	3,935	4,536	9,470	3	0	0	2,040	64	25	-	41	2,129	2,173
2006	157	154	2,335	50	93	81	-	456	2,713	3,326	0	1	3	96	22	47	-	0	169	169
2007[a/]	2,271	53	324	561	167	0	-	1,342	1,105	4,718	0	0	0	1,517	29	0	-	5	1,546	1,551
2008[a/]	483	35	271	618	1,615	104	-	375	2,643	3,501	0	0	8	81	486	71	-	0	646	646
Neah Bay																				
1976-1980	8	297	1,140	1,168	146	16	1	9	2,766	2,784	1	57	3,527	1,486	483	256	6	2	5,809	5,818
1981-1985	0	520	1,191	2,406	673	772	54	11	5,561	5,626	0	8	4,647	9,017	16,515	13,404	18	0	43,590	43,609
1986-1990	6	2,604	2,317	3,114	2,657	685	0	0	11,376	11,382	0	3	106	16,829	16,934	7,241	0	0	41,114	41,114
1991-1995	0	3,800	2,807	2,797	2,704	471	0	16	12,579	12,595	0	1	1	12,665	13,860	4,816	0	1	31,342	31,343
1996	6	997	534	0	4,702	3,421	-	0	9,654	9,660	0	0	0	0	2,852	12,054	-	0	14,906	14,906
1997	0	175	7,053	0	3,451	888	-	0	11,567	11,567	0	0	0	0	6,008	3,411	-	0	9,419	9,419
1998	0	5,056	4,358	47	3,470	1,119	-	85	14,050	14,135	0	0	0	74	3,115	4,037	-	0	7,226	7,226
1999	0	2,142	15,290	1,530	3,887	3,619	-	0	26,468	26,468	0	0	0	0	11,932	20,196	-	0	32,128	32,128
2000	0	2,587	2,552	189	1,329	0	-	0	6,657	6,657	0	0	1	0	21,230	0	-	0	21,231	21,231
2001	0	1,070	9,047	5,438	2,510	3,171	-	0	21,236	21,236	0	0	11	5,967	24,881	21,335	-	0	52,194	52,194
2002	34	4,897	10,263	11,805	8,005	3,123	-	0	38,093	38,127	0	1	1	3,449	4,530	9,042	-	0	17,023	17,023
2003	21	2,821	12,946	12,921	5,023	1,031	-	0	34,742	34,763	98	3	0	4,445	4,164	2,012	-	0	10,624	10,722
2004	0	9,809	14,433	9,670	4,978	3,387	-	0	42,277	42,277	0	3	3	14,114	23,814	7,361	-	0	45,295	45,295
2005	0	4,733	14,608	4,272	7,105	3,097	-	0	33,815	33,815	0	3	1	1,715	15,460	3,972	-	0	21,151	21,151
2006	6	2,565	5,714	6,827	5,696	4,744	-	35	25,546	25,587	2	15	99	9,928	9,304	10,418	-	0	29,764	29,766
2007[a/]	0	263	12,570	2,639	4,183	52	-	0	19,707	19,707	0	0	12	21,377	15,443	745	-	0	37,577	37,577
2008[a/]	55	243	5,694	1,086	3,281	3,071	-	0	13,375	13,430	17	0	8	520	2,251	9,304	-	0	12,083	12,100

TABLE A-15. Treaty Indian ocean troll Chinook and coho salmon landings in numbers of fish by catch area and month. (Page 2 of 3)

Year or Avg.	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.[b/]	Nov.-Dec.	Total May-Sept.	Total Year	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.-Dec.	Total May-Sept.	Total Year
	CHINOOK										**COHO**									
La Push																				
1976-1980	0	118	243	483	142	27	0	0	1,013	1,013	0	641	3,624	1,229	482	34	0	0	6,010	6,010
1981-1985	0	243	321	827	508	212	0	0	2,112	2,112	0	30	2,251	5,302	6,393	2,855	0	0	16,832	16,832
1986-1990	0	1,062	944	2,044	744	259	-	-	5,054	5,054	0	0	2,694	8,430	7,021	2,250	-	-	20,395	20,395
1991-1995	0	61	278	465	601	22	-	-	1,428	1,428	0	0	0	2,863	6,123	201	-	-	9,187	9,187
1996	0	0	0	0	6	34	-	-	40	40	0	0	0	0	105	474	-	-	579	579
1997	0	0	0	0	0	0	-	-	0	0	0	0	0	0	0	0	-	-	0	0
1998	0	0	26	0	113	0	-	-	139	139	0	0	0	0	115	0	-	-	115	115
1999	0	0	42	0	62	0	-	-	104	104	0	0	0	0	143	0	-	-	143	143
2000	0	0	13	0	18	0	-	-	31	31	0	0	0	0	151	0	-	-	151	151
2001	0	0	0	0	0	3	-	-	3	3	0	0	0	0	0	24	-	-	24	24
2002	0	0	0	124	4	0	30	-	128	158	0	0	0	0	372	0	80	-	372	452
2003	0	0	47	0	0	0	35	-	47	82	0	0	0	0	0	0	85	-	0	85
2004	0	0	0	50	6	0	25	-	56	81	0	0	0	61	23	0	100	-	84	184
2005	0	258	1	177	188	74	0	-	698	698	0	0	0	1	26	36	0	-	63	63
2006	0	82	248	825	870	66	15	-	2,091	2,106	0	0	0	446	1,272	123	5	-	1,841	1,846
2007[a/]	0	0	1,773	60	234	5	0	-	2,072	2,072	0	0	0	248	1,099	52	0	-	1,399	1,399
2008[a/]	0	42	2,834	380	888	368	1	-	4,512	4,513	0	0	2	267	297	379	0	-	945	945
Westport																				
1976-1980	0	12	14	27	24	1	0	0	78	78	0	0	27	10	58	1	0	0	95	95
1981-1985	0	321	123	310	105	6	0	0	865	865	0	0	353	1,262	561	199	0	0	2,376	2,376
1986-1990	0	671	949	1,283	783	241	-	-	3,926	3,926	0	0	1,391	4,901	4,221	747	-	-	11,260	11,260
1991-1995	0	15	231	188	656	74	-	-	1,165	1,165	0	0	0	1,138	2,019	228	-	-	3,385	3,385
1996	0	39	0	337	62	0	-	-	438	438	0	0	0	0	762	1,168	-	-	1,930	1,930
1997	0	0	17	0	1,056	222	-	-	1,295	1,295	0	0	0	0	1,956	653	-	-	2,609	2,609
1998	0	41	35	0	141	8	-	-	225	225	0	0	0	0	191	13	-	-	204	204
1999	0	8	189	0	20	0	-	-	217	217	0	0	0	0	28	0	-	-	28	28
2000	0	0	214	0	149	0	-	-	363	363	0	0	0	0	623	0	-	-	623	623
2001	0	0	365	195	0	0	-	-	560	560	0	0	0	0	0	0	-	-	0	0
2002	0	0	95	37	34	0	-	-	166	166	0	0	0	0	27	0	-	-	27	27
2003	0	10	0	0	209	77	-	-	296	296	0	0	0	0	112	61	-	-	173	173
2004	0	138	0	13	66	52	-	-	269	269	0	0	0	0	30	84	-	-	114	114
2005	0	1,629	1	0	801	495	-	-	2,926	2,926	0	0	0	0	399	255	-	-	654	654
2006	0	20	44	34	31	66	-	-	195	195	0	0	0	5	36	123	-	-	164	164
2007[a/]	0	0	0	94	79	13	-	-	186	186	0	0	0	137	344	63	-	-	544	544
2008[a/]	0	23	64	35	393	31	-	-	546	546	0	0	0	6	674	65	-	-	745	745

TABLE A-15. Treaty Indian ocean troll Chinook and coho salmon landings in numbers of fish by catch area and month. (Page 3 of 3)

Year or Avg.	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.-Dec.	Total May-Sept.	Total Year	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.-Dec.	Total May-Sept.	Total Year
	CHINOOK										**COHO**									
Statewide Total																				
1976-1980	8,529	787	2,037	1,776	415	70	11	785	5,086	14,411	407	720	7,677	2,915	1,275	443	11	63	13,030	13,512
1981-1985	13,109	2,150	1,883	3,636	1,336	1,018	198	834	10,023	24,164	42	283	7,435	16,406	24,484	16,666	54	7	65,274	65,377
1986-1990	6,015	6,877	5,955	6,726	4,506	1,248	12	2,677	25,312	34,016	9	3	4,256	32,310	35,942	11,051	7	13	83,563	83,591
1991-1995	3,549	4,343	4,181	3,511	4,243	571	29	1,084	16,849	21,511	2	1	1	17,220	26,038	5,275	103	8	48,535	48,647
1996	2,561	1,473	1,974	457	4,845	3,561	-	81	12,310	14,952	0	0	0	0	4,655	13,885	-	0	18,540	18,540
1997	439	819	7,486	0	4,720	1,136	-	16	14,161	14,616	0	0	0	0	11,481	4,343	-	0	15,824	15,824
1998	97	5,189	4,442	47	3,860	1,148	-	125	14,686	14,908	0	0	0	74	3,855	4,225	-	0	8,154	8,154
1999	237	2,536	15,666	1,530	4,101	3,619	-	15	27,452	27,704	0	0	0	0	13,151	20,213	-	0	33,364	33,364
2000	141	2,885	3,052	196	1,505	0	-	10	7,638	7,789	0	0	1	0	22,174	0	-	0	22,175	22,175
2001	1,364	2,278	13,705	6,561	2,988	3,311	-	273	28,843	30,480	0	0	12	8,510	27,984	22,089	-	1	58,595	58,596
2002	400	5,364	11,206	12,079	8,074	3,123	30	25	39,846	40,301	0	1	1	3,449	4,929	9,042	80	0	17,422	17,502
2003	208	2,856	13,039	12,935	5,232	1,110	35	3	35,172	35,418	98	3	0	4,449	4,276	2,214	85	0	10,942	11,125
2004	1,555	9,947	16,977	10,765	6,960	5,086	25	14,588	49,735	65,903	0	3	3	16,133	36,684	9,274	100	108	62,097	62,305
2005	999	6,858	18,374	4,971	8,100	3,672	0	3,935	41,975	46,909	3	3	1	3,756	15,949	4,288	0	41	23,997	24,041
2006	163	2,821	8,341	7,736	6,690	4,957	15	491	30,545	31,214	2	16	102	10,475	10,634	10,711	5	0	31,938	31,945
2007[a/]	2,271	316	14,667	3,354	4,663	70	0	1,342	23,070	26,683	0	0	12	23,279	16,915	860	0	5	41,066	41,071
2008[a/]	538	343	8,863	2,119	6,177	3,574	1	375	21,076	21,990	17	0	18	874	3,708	9,819	0	0	14,419	14,436

a/ Preliminary.

b/ October landings beginning in 2002 occurred during Quileute ceremonial and subsistence fishery.

TABLE A-16.Treaty Indian ocean troll pink salmon landings (odd years only) in numbers of fish by catch area and month. (Page 1 of 2)

Year or Avg.[a/]	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.-Dec.	Total May-Sept.	Total Year
Area 4B										
1977-1979	1	2	267	158	649	16	0	0	1,092	1,092
1981-1985	0	23	2	108	698	7	0	0	838	838
1987-1989	0	0	0	1,395	643	142	0	0	2,179	2,179
1991-1995	0	0	0	43	1,233	2	0	0	1,278	1,278
1997	0	0	0	0	696	10	-	0	706	706
1999	0	0	0	0	404	4	-	0	408	408
2001	0	0	0	504	334	15	-	0	853	853
2003	0	0	0	0	0	0	-	0	0	0
2005	0	0	0	154	88	0	-	0	242	242
2007[b/]	0	0	0	82	141	0	-	0	223	223
Neah Bay										
1977-1979	0	42	91	636	1,339	5	0	0	2,112	2,112
1981-1985	0	0	94	1,340	6,684	302	0	0	8,419	8,419
1987-1989	0	2	4	6,553	2,901	377	0	0	9,837	9,837
1991-1995	0	0	1	385	4,002	249	0	0	4,636	4,636
1997	0	0	0	0	1,061	43	-	0	1,104	1,104
1999	0	0	0	0	984	104	-	0	1,088	1,088
2001	0	11	0	192	1,203	192	-	0	1,598	1,598
2003	0	0	0	172	41	23	-	0	236	236
2005	0	0	0	32	103	3	-	0	138	138
2007[b/]	0	0	7	244	96	0	-	0	347	347
La Push										
1977-1979	0	5	1,192	259	1,032	0	0	0	2,488	2,488
1981-1985	0	7	100	654	418	12	0	0	1,191	1,191
1987-1989	0	3	6	625	667	65	-	-	1,365	1,365
1991-1995	0	0	0	65	277	10	-	-	353	353
1997	0	0	0	0	0	0	-	-	0	0
1999	0	0	0	0	0	0	-	-	0	0
2001	0	0	0	0	0	0	-	-	0	0
2003	0	0	0	0	0	0	0	-	0	0
2005	0	0	0	0	1	0	0	-	1	1
2007[b/]	0	0	0	0	14	0	0	-	14	14
Westport										
1977-1979	0	0	0	0	0	0	0	0	0	0
1981-1985	0	1	18	106	6	0	0	0	132	132
1987-1989	0	0	0	419	44	8	-	-	471	471
1991-1995	0	0	0	7	6	0	-	-	13	13
1997	0	0	0	0	0	0	-	-	0	0
1999	0	0	0	0	0	0	-	-	0	0
2001	0	0	0	0	0	0	-	-	0	0
2003	0	0	0	0	0	0	-	-	0	0
2005	0	0	0	0	6	0	-	-	6	6
2007[b/]	0	0	0	0	0	0	-	-	0	0

TABLE A-16. Treaty Indian ocean troll pink salmon landings (odd years only) in numbers of fish by catch area and month. (Page 2 of 2)

Year or Avg.[a/]	Jan.-Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.-Dec.	Total May-Sept.	Total Year
Total Statewide										
1977-1979	1	49	1,550	1,053	3,019	21	0	0	5,691	5,692
1981-1985	0	32	214	2,208	7,806	320	0	0	10,580	10,580
1987-1989	0	5	10	8,991	4,254	591	0	0	13,851	13,851
1991-1995	0	0	1	499	5,519	261	0	0	6,280	6,280
1997	0	0	0	0	1,757	53	-	0	1,810	1,810
1999	0	0	0	0	1,388	108	-	0	1,496	1,496
2001	0	11	0	696	1,537	207	-	0	2,451	2,451
2003	0	0	0	172	41	23	0	0	236	236
2005	0	0	0	186	198	3	0	0	387	387
2007[b/]	0	0	7	326	251	0	0	0	584	584

a/ Odd year averages only.

b/ Preliminary.

TABLE A-17. Washington ocean recreational salmon fishing effort in angler trips by port and statistical month. (Page 1 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
Neah Bay								
1976-1980	746	1,094	4,100	13,027	17,885	6,974	529	44,206
1981-1985	80	557	979	9,338	13,391	3,382	126	27,495
1986-1990	-	431	491	13,953	7,341	2,193	-	23,175
1991-1995[a/]	-	1,258	4	12,553	9,455	994	-	20,494
1996[a/]	-	-	-	-	9,786	1,096	-	10,882
1997[a/]	-	-	-	2,883	1,897	21	-	4,801
1998[a/]	-	-	-	-	6,367	-	-	6,367
1999	-	-	-	2,524	3,950	1,628	-	8,102
2000[a/]	-	-	-	4,980	4,727	1,646	-	11,353
2001	-	-	-	10,450	6,516	981	-	17,947
2002	-	576	2,533	3,957	5,467	1,151	-	13,684
2003	-	-	1,372	10,109	8,071	897	-	20,449
2004	-	-	435	14,337	10,376	993	-	26,141
2005	-	-	-	11,462	4,977	1,972	-	18,410
2006	-	-	946	6,600	4,935	928	-	13,409
2007	-	-	-	6,945	5,731	691	-	13,367
2008[a/b/]	-	-	1,066	2,475	2,582	247	-	6,370
La Push								
1976-1980	24	344	1,341	7,932	11,716	3,916	436	24,736
1981-1985	-	0	77	1,119	2,075	231	239	3,332
1986-1990	-	66	60	1,768	749	154	113	2,478
1991-1995	-	-	-	2,236	548	480	8	2,587
1996	-	-	-	-	781	506	-	1,287
1997	-	-	-	925	0	-	-	925
1998	-	-	-	-	578	-	-	578
1999	-	-	-	1,022	1,230	669	-	2,921
2000	-	-	-	1,233	742	-	-	1,975
2001	-	-	-	1,941	960	247	239	3,387
2002	-	59	231	1,089	1,350	568	113	3,410
2003	-	-	244	1,774	1,595	628	128	4,369
2004	-	-	123	1,883	1,484	1,053	20	4,563
2005	-	-	-	1,867	2,039	895	160	4,961
2006	-	-	173	1,029	1,943	740	258	4,143
2007	-	-	-	989	1,640	639	0	3,268
2008[b/]	-	-	281	535	709	508	38	2,071

TABLE A-17. Washington ocean recreational salmon fishing effort in angler trips by port and statistical month. (Page 2 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
Westport								
1976-1980	4,720	12,340	37,368	66,487	66,306	23,133	3,454	210,286
1981-1985	-	3,607	20,142	34,172	23,472	2,602	208	78,766
1986-1990	-	1,451	3,663	30,256	15,991	5,000	40	52,492
1991-1995	-	-	4,955	20,127	15,146	8,072	706	44,760
1996	-	-	-	4,458	9,638	1,392	-	15,488
1997	-	-	-	7,986	8,147	1,150	-	17,283
1998	-	-	-	-	7,068	943	-	8,011
1999	-	-	-	5,329	9,427	4,319	-	19,075
2000	-	-	-	12,343	7,491	-	-	19,834
2001	-	-	-	25,363	16,256	8,063	-	49,682
2002	-	1,861	10,849	16,358	12,343	-	-	41,411
2003	-	-	4,278	20,747	18,302	4,722	-	48,049
2004	-	-	1,455	15,722	15,045	5,967	-	38,189
2005	-	-	1,119	12,560	15,488	6,003	-	35,170
2006	-	-	-	8,857	13,802	1,883	-	24,541
2007	-	-	-	9,548	14,143	2,225	-	25,916
2008[b/]	-	-	2,660	8,381	5,880	1,809	-	18,731
Ilwaco[c/]								
1976-1980	914	4,670	20,809	41,988	62,372	18,676	2,127	150,581
1981-1985	-	921	7,560	23,249	21,383	3,652	721	53,751
1986-1990	-	298	1,641	19,733	19,450	1,782	-	41,268
1991-1995	-	-	1,660	17,100	11,766	7,412	-	37,108
1996	-	-	-	3,252	8,745	3,596	-	15,593
1997	-	-	-	4,556	2,134	-	-	6,690
1998	-	-	-	-	4,277	420	-	4,697
1999	-	-	-	4,448	11,133	5,095	-	20,676
2000	-	-	-	6,842	8,915	-	-	15,757
2001	-	-	-	21,097	25,229	9,060	-	55,386
2002	-	215	1,290	9,004	18,137	8,016	-	36,662
2003	-	-	455	15,033	29,574	6,938	-	52,000
2004	-	-	597	11,662	23,716	7,836	-	43,811
2005	-	-	-	6,070	18,968	7,016	-	32,054
2006	-	-	-	5,740	15,480	1,950	-	23,170
2007	-	-	-	7,486	20,350	2,295	-	30,132
2008[b/]	-	-	777	4,506	5,156	-	-	10,439

TABLE A-17. Washington ocean recreational salmon fishing effort in angler trips by port and statistical month. (Page 3 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
Statewide Total								
1976-1980	3,574	18,447	63,618	129,433	158,279	51,916	5,256	429,809
1981-1985	80	4,067	22,991	67,877	60,321	7,746	436	163,344
1986-1990	-	1,339	5,840	65,710	43,382	5,090	40	119,412
1991-1995[a/]	-	1,258	4,140	48,319	36,915	16,837	714	104,949
1996[a/]	-	-	-	7,710	28,950	6,590	-	43,250
1997[a/]	-	-	-	16,350	12,178	1,171	-	29,699
1998[a/]	-	-	-	-	18,290	1,363	-	19,653
1999	-	-	-	13,323	25,740	11,711	-	50,774
2000[a/]	-	-	-	25,398	21,875	1,646	-	48,919
2001	-	-	-	58,851	48,961	18,351	239	126,402
2002	-	2,711	14,903	30,408	37,297	9,735	113	95,167
2003	-	-	6,349	47,663	57,542	13,185	128	124,867
2004	-	-	2,610	43,604	50,621	15,849	20	112,704
2005	-	-	1,119	31,959	41,472	15,886	160	90,595
2006	-	-	1,119	22,226	36,159	5,501	258	65,263
2007	-	-	-	24,968	41,865	5,851	0	72,683
2008[a/b/]	-	-	4,784	15,898	14,327	2,564	38	37,610

a/ Includes effort from the Washington State waters Area 4B fishery (none in 1994).

b/ Preliminary.

c/ Includes effort from the North Jetty when the ocean fishery was open; does not include effort reported as occurring inside the Columbia River mouth (North Jetty effort when the ocean fishery was closed and Buoy 10 was open).

TABLE A-18. Washington ocean recreational Chinook and coho salmon landings in numbers of fish by port of landing and statistical month. (Page 1 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
				CHINOOK								**COHO**				
Neah Bay																
1976-1980	318	534	1,197	2,438	1,424	617	96	6,334	213	537	3,363	11,424	20,652	7,761	252	44,158
1981-1985	57	149	234	1,293	483	194	35	2,224	80	338	639	8,878	16,452	3,414	150	29,436
1986-1990[a/]	-	114	143	2,554	358	35	-	2,963	-	-	384	15,896	11,629	3,446	-	29,747
1991-1995[b/]	-	148	-	1,443	232	62	-	1,420	-	40	-	15,654	13,052	991	-	25,804
1996[b/]	-	-	-	-	55	5	-	60	-	-	-	-	6,634	2,327	-	8,961
1997[b/]	-	-	-	478	8	-	-	486	-	-	-	0	1,494	-	-	1,494
1998[b/]	-	-	-	-	103	-	-	103	-	-	-	-	8,062	-	-	8,062
1999	-	-	-	-	-	-	-	-	-	-	-	1,456	2,963	951	-	5,370
2000[b/]	-	-	-	313	105	-	-	418	-	-	-	3,603	5,960	2,067	-	11,630
2001	-	-	-	1,103	366	54	-	1,523	-	-	-	9,840	6,936	1,101	-	17,877
2002	-	234	1,225	3,004	757	7	-	5,227	-	-	-	1,792	5,419	1,185	-	8,396
2003	-	-	589	3,071	997	40	-	4,697	-	-	785	9,104	8,721	1,139	-	19,749
2004	-	-	235	4,117	1,090	73	-	5,515	-	-	361	14,188	13,846	1,005	-	29,400
2005	-	-	-	2,254	316	213	-	2,784	-	-	-	7,033	2,420	765	-	10,218
2006	-	-	166	734	443	73	-	1,417	-	-	380	3,763	1,570	309	-	6,023
2007	-	-	-	1,179	245	47	-	1,471	-	-	-	4,981	4,997	631	-	10,608
2008[c/]	-	-	311	725	317	3	-	1,357	-	-	-	679	1,459	23	-	2,161
La Push																
1976-1980	0	8	161	948	1,318	410	135	2,844	22	271	1,671	8,586	15,198	3,879	43	28,864
1981-1985	-	0	7	132	166	8	-	304	-	0	72	861	2,786	251	-	3,791
1986-1990[a/]	-	9	10	303	93	15	-	391	-	-	37	2,129	1,026	125	-	3,022
1991-1995	-	-	-	215	31	29	2	207	-	-	-	2,766	606	444	2	3,014
1996	-	-	-	-	2	7	-	9	-	-	-	-	802	809	-	1,611
1997	-	-	-	61	0	-	-	61	-	-	-	1,057	0	-	-	1,057
1998	-	-	-	-	65	-	-	65	-	-	-	-	577	-	-	577
1999	-	-	-	396	488	100	-	984	-	-	-	661	1,318	598	-	2,577
2000	-	-	-	106	70	-	-	176	-	-	-	965	961	-	-	1,926
2001	-	-	-	324	100	60	100	584	-	-	-	1,785	1,357	153	15	3,310
2002	-	7	123	1,132	579	92	43	1,976	-	-	-	492	1,010	146	4	1,652
2003	-	-	128	785	802	111	62	1,888	-	-	136	1,564	1,502	193	12	3,407
2004	-	-	38	853	529	404	6	1,830	-	-	37	1,437	1,266	420	3	3,163
2005	-	-	-	605	694	309	43	1,651	-	-	-	274	1,395	633	18	2,320
2006	-	-	36	247	955	342	91	1,670	-	-	36	744	1,041	61	2	1,884
2007	-	-	-	132	348	116	0	595	-	-	-	758	1,869	142	0	2,769
2008[c/]	-	-	80	244	300	106	6	736	-	-	-	102	273	165	1	541

TABLE A-18. Washington ocean recreational Chinook and coho salmon landings in numbers of fish by port of landing and statistical month. (Page 2 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
				CHINOOK								**COHO**				
Westport																
1976-1980	2,826	5,744	20,759	18,019	15,844	5,707	929	67,945	161	12,374	43,808	89,416	63,127	21,910	2,274	232,518
1981-1985	-	2,328	16,253	17,397	7,513	407	17	40,102	-	2,457	11,790	27,665	22,997	3,371	34	63,289
1986-1990	-	667	1,539	10,334	5,012	1,692	-	17,387	-	19	2,220	40,125	23,296	7,004	45	69,421
1991-1995	-	-	1,911	3,062	2,764	1,496	213	7,853	-	-	6,781	24,170	19,803	8,578	322	54,327
1996	-	-	-	8	8	-	-	16	-	-	-	5,975	14,896	2,202	-	23,073
1997	-	-	-	1,199	1,563	315	-	3,077	-	-	-	5,986	6,745	424	-	13,155
1998	-	-	-	-	1,477	228	-	1,705	-	-	-	-	6,628	1,066	-	7,694
1999	-	-	-	2,271	3,103	1,211	-	6,585	-	-	-	4,060	7,264	1,271	-	12,595
2000	-	-	-	4,153	2,183	-	-	6,336	-	-	-	18,554	10,240	-	-	28,794
2001	-	-	-	12,205	2,758	782	-	15,745	-	-	-	31,372	25,115	12,909	-	69,396
2002	-	2,313	13,877	17,848	8,548	-	-	42,586	-	5	271	8,043	10,762	-	-	19,081
2003	-	-	1,972	9,103	8,953	1,786	-	21,814	-	-	2,714	14,882	17,343	4,328	-	39,267
2004	-	-	254	4,087	5,358	1,647	-	11,340	-	-	1,183	7,060	12,476	8,617	-	29,336
2005	-	-	364	5,245	12,179	4,585	-	22,373	-	-	126	3,139	4,869	2,374	-	10,508
2006	-	-	-	2,293	3,125	398	-	5,815	-	-	-	2,008	5,675	1,096	-	8,779
2007	-	-	-	2,494	2,545	208	-	5,247	-	-	-	7,289	14,055	1,648	-	22,992
2008[c/]	-	-	2,145	4,459	2,735	305	-	9,644	-	-	30	2,550	3,383	1,564	0	7,528
Ilwaco[d/]																
1976-1980	286	2,019	9,143	7,497	15,789	2,261	182	36,969	493	5,627	40,398	69,166	65,240	23,882	2,221	206,286
1981-1985	-	214	3,364	4,545	4,505	279	40	12,031	-	5,410	10,296	36,373	26,437	5,982	825	75,883
1986-1990	-	111	233	1,793	3,302	76	-	5,334	-	-	2,638	32,864	27,048	2,114	-	62,868
1991-1995	-	-	86	704	736	194	-	1,677	-	-	2,733	25,600	14,459	6,796	-	48,220
1996	-	-	-	22	40	30	-	92	-	-	-	4,665	10,275	2,848	-	17,788
1997	-	-	-	160	185	-	-	345	-	-	-	7,337	3,719	-	-	11,056
1998	-	-	-	-	272	42	-	314	-	-	-	-	4,025	348	-	4,373
1999	-	-	-	495	1,507	316	-	2,318	-	-	-	5,171	9,486	4,926	-	19,583
2000	-	-	-	748	800	-	-	1,548	-	-	-	11,455	14,394	-	-	25,849
2001	-	-	-	2,253	2,300	569	-	5,122	-	-	-	32,325	34,359	10,795	-	77,479
2002	-	53	1,927	3,380	2,571	101	-	8,032	-	-	30	10,136	23,997	10,842	-	45,005
2003	-	-	44	1,498	3,561	681	-	5,784	-	-	600	24,359	43,757	7,957	-	76,673
2004	-	-	22	765	4,039	1,396	-	6,222	-	-	935	17,203	27,040	5,859	-	51,037
2005	-	-	-	1,174	7,002	1,385	-	9,561	-	-	-	7,000	17,066	4,658	-	28,724
2006	-	-	-	478	1,148	140	-	1,765	-	-	-	6,533	12,222	646	-	19,401
2007	-	-	-	292	1,225	114	-	1,631	-	-	-	12,170	32,559	2,689	-	47,419
2008[c/]	-	-	474	1,166	1,258	-	-	2,898	-	-	330	3,337	4,973	-	-	8,640

TABLE A-18. Washington ocean recreational Chinook and coho salmon landings in numbers of fish by port of landing and statistical month. (Page 3 of 3)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
				CHINOOK								**COHO**				
Statewide Total																
1976-1980	2,392	8,304	31,259	28,901	34,375	8,790	1,285	114,092	551	18,809	89,239	178,591	164,217	56,656	3,873	511,827
1981-1985	57	2,153	15,884	23,367	12,667	645	46	54,662	80	2,961	22,620	73,777	68,672	9,800	436	172,399
1986-1990[a/]	-	901	1,886	14,984	8,674	1,212	-	26,075	-	19	5,077	91,015	62,794	7,165	45	165,058
1991-1995[b/]	-	148	1,041	5,009	3,756	1,743	215	11,156	-	40	6,124	63,585	47,920	16,697	324	131,364
1996[b/]	-	-	-	30	105	42	-	177	-	-	-	10,640	32,607	8,186	-	51,433
1997[b/]	-	-	-	1,898	1,756	315	-	3,969	-	-	-	14,380	11,958	424	-	26,762
1998[b/]	-	-	-	-	1,917	270	-	2,187	-	-	-	-	19,292	1,414	-	20,706
1999	-	-	-	3,162	5,098	1,627	-	9,887	-	-	-	11,348	21,031	7,746	-	40,125
2000[b/]	-	-	-	5,320	3,158	-	-	8,478	-	-	-	34,577	31,555	2,067	-	68,199
2001	-	-	-	15,885	5,524	1,465	100	22,974	-	-	-	75,322	67,767	24,958	15	168,062
2002	-	2,607	17,152	25,364	12,455	200	43	57,821	-	5	301	20,463	41,188	12,173	4	74,134
2003	-	-	2,733	14,457	14,313	2,618	62	34,183	-	-	4,235	49,909	71,323	13,617	12	139,096
2004	-	-	549	9,822	11,016	3,520	6	24,907	-	-	2,516	39,888	54,628	15,901	3	112,936
2005	-	-	364	9,278	20,191	6,492	43	36,369	-	-	126	17,446	25,750	8,430	18	51,770
2006	-	-	202	3,751	5,670	953	91	10,667	-	-	416	13,047	20,509	2,112	2	36,087
2007	-	-	-	4,097	4,362	485	0	8,944	-	-	-	25,198	53,479	5,110	0	83,788
2008[b/c/]	-	-	3,011	6,594	4,611	414	6	14,635	-	-	360	6,669	10,088	1,752	1	18,870

a/ Neah Bay and La Push statistics do not include estimates of 707 Chinook killed during Chinook nonretention fishery (July 19-August 20, 1987).

b/ Includes catch from the Washington State waters Area 4B fishery in 1991, 1992, 1993, 1996, 1997, 1998, 2000, and 2008.

c/ Preliminary.

d/ Includes catch from the North Jetty when the ocean fishery was open; does not include catch reported as occurring inside the Columbia River mouth (North Jetty catch when the ocean fishery was closed, and Buoy 10 was open).

TABLE A-19. Washington ocean recreational pink salmon landings in numbers of fish by port of landing and statistical month. (Page 1 of 2)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
Neah Bay								
1977	0	0	15	1,667	8,714	89	0	10,485
1979	17	1	308	2,375	8,408	646	24	11,779
1981	-	18	7	1,787	5,965	-	27	7,804
1983	-	-	-	409	3,605	154	-	4,168
1985	-	-	0	143	1,071	9	-	1,223
1987	-	-	6	686	713	-	-	1,405
1989[a/]	-	0	0	1,443	295	202	-	1,940
1991[a/]	-	-	-	479	1,543	0	-	2,022
1993[a/]	-	0	-	609	1,264	371	-	2,244
1995	-	-	-	-	2,578	30	-	2,608
1997[a/]	-	-	-	79	498	-	-	577
1999	-	-	-	730	1,165	81	-	1,976
2001	-	-	-	1,715	1,081	3	-	2,799
2003	-	-	6	2,863	5,136	120	-	8,125
2005	-	-	-	1,456	1,375	62	-	2,893
2007	-	-	-	1,268	2,766	0	-	4,033
La Push								
1977	0	0	40	600	2,328	8	0	2,976
1979	-	1	16	259	1,529	0	-	1,805
1981	-	0	0	0	336	-	-	336
1983	-	-	-	7	253	1	-	261
1985	-	-	0	9	33	0	-	42
1987	-	-	0	12	37	-	-	49
1989	-	0	0	0	-	-	-	0
1991	-	-	-	46	-	-	-	46
1993	-	-	-	46	34	4	-	84
1995	-	-	-	-	78	11	-	89
1997	-	-	-	195	0	-	-	195
1999	-	-	-	87	47	0	-	134
2001	-	-	-	129	32	-	-	161
2003	-	-	4	419	459	23	0	905
2005	-	-	-	41	167	2	0	210
2007	-	-	-	42	84	0	0	126
Westport								
1977	0	303	1,424	11,649	909	10	0	14,295
1979	-	40	748	990	2,188	0	-	3,966
1981	-	31	177	771	717	-	-	1,696
1983	-	0	2	26	0	2	-	30
1985	-	-	0	695	907	4	-	1,606
1987	-	-	0	183	45	-	-	228
1989	-	0	0	28	45	-	-	73
1991	-	-	0	43	33	4	-	80
1993	-	-	-	33	35	2	-	70
1995	-	-	-	40	51	2	-	93
1997	-	-	-	520	96	22	-	638
1999	-	-	-	35	40	0	-	75
2001	-	-	-	782	136	-	-	918
2003	-	-	12	3,559	756	32	-	4,359
2005	-	-	0	26	128	0	-	154
2007	-	-	-	261	240	2	-	503

TABLE A-19. Washington ocean recreational pink salmon landings in thousands of fish by port of landing and statistical month. (Page 2 of 2)

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
Ilwaco[b/]								
1977	0	33	171	689	602	4	0	1,499
1979	-	3	8	246	26	0	-	283
1981	-	2	4	101	260	-	-	367
1983	-	0	0	0	2	0	-	2
1985	-	-	0	6	203	-	-	209
1987	-	-	0	110	9	-	-	119
1989	-	0	0	11	12	-	-	23
1991	-	-	0	45	21	0	-	66
1993	-	-	-	7	11	0	-	18
1995	-	-	-	4	18	9	-	31
1997	-	-	-	0	0	-	-	0
1999	-	-	-	0	3	0	-	3
2001	-	-	-	5	31	4	-	40
2003	-	-	0	2	16	0	-	18
2005	-	-	-	3	0	0	-	3
2007	-	-	-	5	3	0	-	8
Total Statewide								
1977	0	336	1,650	14,605	12,553	111	0	29,255
1979	17	45	1,080	3,870	12,151	646	24	17,833
1981	-	51	188	2,659	7,278	-	27	10,203
1983	-	0	2	442	3,860	157	-	4,461
1985	-	-	0	853	2,214	13	-	3,080
1987	-	-	6	991	804	-	-	1,801
1989[a/]	-	0	0	1,482	352	202	-	2,036
1991[a/]	-	-	0	613	1,597	4	-	2,214
1993[a/]	-	0	-	695	1,344	377	-	2,416
1995	-	-	-	44	2,725	52	-	2,821
1997[a/]	-	-	-	794	594	22	-	1,410
1999	-	-	-	852	1,255	81	-	2,188
2001	-	-	-	2,631	1,280	7	-	3,918
2003	-	-	22	6,843	6,367	175	0	13,407
2005	-	-	0	1,526	1,670	64	0	3,260
2007	-	-	-	1,575	3,093	2	0	4,670

a/ Includes catch from the Washington State waters Area 4B fishery.

b/ Includes catch from the North Jetty when the ocean fishery was open; does not include catch reported as occurring inside the Columbia River mouth (North Jetty catch when the ocean fishery was closed and Buoy 10 was open).

TABLE A-20. Cape Falcon to U.S./Mexico border commercial troll salmon fishing effort in days fished by region and month.[a/]
(Page 1 of 2)

Year or Avg.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
Cape Falcon to Humbug Mt.											
1978-1980	-	-	650	2,964	12,169	11,602	1,692	598	10	-	29,684
1981-1985	-	-	1,413	1,011	10,193	5,360	941	448	10	-	19,377
1986-1990	-	-	3,745	4,494	14,033	8,093	3,214	2,162	257	-	35,843
1991-1995	-	-	1,234	2,027	2,444	2,054	1,335	1,321	88	-	8,674
1996	-	-	1,378	1,972	-	1,819	1,619	1,041	86	-	7,915
1997	-	348	1,940	1,875	-	1,623	1,033	541	67	-	7,427
1998	-	851	1,782	1,706	-	1,356	557	595	116	-	6,963
1999	-	177	604	1,361	733	1,042	417	371	121	8	4,834
2000	-	155	706	952	1,186	1,819	1,238	630	180	69	6,935
2001	-	937	2,011	1,980	1,358	2,051	1,214	748	135	1	10,435
2002	367	840	1,712	1,965	682	1,293	1,607	2,204	158	15	10,843
2003	175	1,390	2,857	1,541	902	1,347	1,665	1,447	139	14	11,477
2004	906	2,506	2,137	1,819	825	1,833	1,359	704	229	21	12,339
2005	1,298	369	2,832	2,663	-	-	2,519	960	142	75	10,858
2006	-	-	-	1,034	487	186	631	722	278	26	3,364
2007	-	338	1,198	791	264	1,143	304	244	161	1	4,444
2008[a/]	-	-	-	-	-	-	37	12	48	-	97
Humbug Mt. to Horse Mt. (KMZ)[b/]											
1978-1980	-	320	7,953	8,898	12,009	9,367	3,437	955	568	-	43,400
1981-1985	-	-	2,979	1,817	5,010	5,260	1,273	732	336	-	17,408
1986-1990	-	-	326	1,889	756	1,406	551	160	217	-	3,825
1991-1995	-	-	45	-	48	56	522	157	-	-	396
1996	-	-	99	31	-	323	298	161	-	-	912
1997	-	19	149	-	-	38	106	169	-	-	481
1998	-	0	22	-	-	14	164	172	-	-	372
1999	-	-	3	-	-	78	274	120	9	-	484
2000	-	-	4	-	-	84	198	130	-	-	416
2001	-	-	18	41	-	150	411	166	-	-	786
2002	3	15	22	73	82	188	548	102	-	-	1,033
2003	0	21	49	74	109	106	185	113	2	-	659
2004	2	31	73	141	138	220	358	61	18	-	1,042
2005	6	1	-	-	-	-	438	110	18	-	573
2006	-	-	-	-	-	-	6	150	27	-	183
2007	-	6	8	137	99	95	417	47	12	-	821
2008[a/]	-	-	-	-	-	-	-	51	-	-	51

TABLE A-20. Cape Falcon to U.S./Mexico border commercial troll salmon fishing effort in days fished by region and month. (Page 2 of 2)

Year or Avg.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
Horse Mt. to U.S./Mexico Border											
1978-1980	-	1,399	13,359	14,229	21,707	8,985	5,102	-	-	-	59,571
1981-1985	-	2,037	10,225	7,881	15,092	8,601	4,766	-	-	-	47,380
1986-1990	-	-	14,517	15,253	14,467	9,262	2,839	-	-	-	56,337
1991-1995	-	-	7,860	5,620	5,160	4,320	2,620	-	-	-	25,580
1996	-	-	4,700	5,900	5,300	2,900	1,925	-	-	-	20,725
1997	-	600	6,500	2,000	5,700	2,325	1,725	-	-	-	18,850
1998	-	-	4,300	2,100	3,900	1,800	2,300	-	-	-	14,400
1999	-	125	2,500	5,000	4,700	2,200	1,600	-	-	-	16,125
2000	-	-	5,210	5,863	3,248	2,390	3,600	-	-	-	20,311
2001	-	-	4,894	1,448	3,042	1,419	2,222	501	-	-	13,526
2002	-	-	4,246	3,247	4,664	2,816	1,686	139	-	-	16,798
2003	-	-	3,074	2,727	3,697	3,745	2,431	136	-	-	15,810
2004	-	-	5,146	4,034	6,297	3,470	1,972	290	-	-	21,209
2005	-	-	3,881	377	5,001	3,365	3,669	401	-	-	16,694
2006	-	-	2,062	103	650	2,593	2,477	374	-	-	8,259
2007	-	106	3,132	29	3,288	2,659	932	168	-	-	10,314
2008	-	-	-	-	-	-	-	-	-	-	-
Total South of Cape Falcon											
1978-1980	-	1,718	21,962	21,347	45,885	29,955	10,230	1,553	578	-	132,655
1981-1985	-	2,037	14,617	10,709	30,296	19,221	6,981	1,180	346	-	84,165
1986-1990	-	-	18,589	21,258	28,802	18,198	6,604	2,322	292	-	96,006
1991-1995	-	-	9,112	7,242	6,636	5,974	4,059	1,416	88	-	34,492
1996	-	-	6,177	7,903	5,300	5,042	3,842	1,202	86	-	29,552
1997	-	967	8,589	3,875	5,700	3,986	2,864	710	67	-	26,758
1998	-	851	6,104	3,806	3,900	3,170	3,021	767	116	-	21,735
1999	-	302	3,107	6,361	5,433	3,320	2,291	491	130	8	21,443
2000	-	155	5,920	6,815	4,434	4,293	5,036	760	180	69	27,662
2001	-	937	6,923	3,469	4,400	3,620	3,847	1,415	135	1	24,747
2002	370	855	5,980	5,285	5,428	4,297	3,841	2,445	158	15	28,674
2003	175	1,411	5,980	4,342	4,708	5,198	4,281	1,696	141	14	27,946
2004	908	2,537	7,356	5,994	7,260	5,523	3,689	1,055	247	21	34,590
2005	1,304	370	6,713	3,040	5,001	3,365	6,626	1,471	160	75	28,125
2006	-	-	2,062	1,137	1,137	2,779	3,114	1,246	305	26	11,806
2007	-	450	4,338	957	3,651	3,897	1,653	459	173	1	15,579
2008[a/]	-	-	-	-	-	-	37	63	48	-	-

a/ Preliminary.

b/ The current KMZ boundaries are Humbug Mt. to Horse Mt. These have changed slightly since the early 1980s. Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month.

TABLE A-21. Cape Falcon to U.S./Mexico border commercial troll Chinook and coho salmon landings in numbers of fish by region and month[a/] (Page 1 of 2)

Year or Avg.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
						CHINOOK									COHO				
Cape Falcon to Humbug Mt.																			
1978-1980	-	17	7,238	21,715	46,765	47,971	12,776	6,880	49	-	143,411	-	-	171,873	330,863	129,763	9,176	1,727	643,402
1981-1985	-	-	13,353	6,839	43,988	23,644	6,660	2,804	36	-	97,325	-	-	-	260,127	85,249	5,803	-	351,179
1986-1990	-	-	41,012	45,376	139,455	85,332	29,901	21,111	1,095	-	363,282	-	-	40	294,074	95,999	20,776	-	410,889
1991-1995	-	-	12,499	18,016	19,956	36,499	16,827	14,191	453	-	118,442	-	-	91,249	105,911	8,382	-	19	205,560
1996	-	-	25,630	39,267	-	60,797	25,967	14,139	845	-	166,645	-	-	8	-	-	-	-	8
1997	-	4,392	31,018	35,381	-	44,588	25,786	4,501	492	-	146,158	-	-	-	-	-	-	-	-
1998	-	19,953	39,671	33,749	-	20,875	4,952	3,368	900	-	123,468	-	-	-	-	-	-	-	-
1999	-	826	6,052	23,447	8,095	17,220	1,784	2,452	1,237	43	61,156	-	-	-	-	-	-	-	-
2000	-	1,187	6,064	11,441	19,664	47,342	30,355	12,235	1,537	367	130,192	-	-	-	-	-	-	-	-
2001	-	18,536	60,552	42,926	37,539	60,707	30,535	15,112	1,345	21	267,273	-	-	-	-	-	-	-	-
2002	6,662	10,586	23,452	59,881	12,321	28,301	58,861	83,205	1,255	65	284,589	-	-	-	-	-	-	-	-
2003	3,192	58,899	73,522	31,841	19,579	37,321	49,646	39,089	996	137	314,222	-	-	-	-	-	-	-	-
2004	21,043	33,989	37,270	22,899	14,068	76,652	24,531	8,322	2,151	182	241,107	-	-	-	-	-	-	-	-
2005	28,297	4,782	55,741	49,895	-	-	81,937	17,170	787	335	238,944	-	-	-	-	-	-	-	-
2006	-	-	-	9,658	3,616	962	4,367	3,449	1,555	131	23,738	-	-	-	-	-	-	-	-
2007	-	1,856	7,328	4,463	1,759	12,360	713	795	670	3	29,947	-	-	-	-	5,023	519	-	5,542
2008[a/]	-	-	-	-	-	-	64	12	208	-	284	-	-	-	-	-	-	-	-
Humbug Mt. to Horse Mt. (KMZ)[b/]																			
1978-1980	-	8,530	93,832	44,084	65,898	46,619	18,192	6,583	2,409	-	286,146	26,012	40,909	87,919	73,686	17,399	2,371	104	181,479
1981-1985	-	-	31,261	13,370	26,577	44,460	10,089	3,495	1,113	-	130,365	-	3,527	7,183	25,915	17,370	803	0	51,270
1986-1990	-	-	5,509	55,976	9,956	17,966	8,453	770	1,460	-	100,090	-	-	11,960	2,350	51	565	0	14,926
1991-1995	-	-	265	-	1,682	234	4,510	927	-	-	7,618	-	-	-	-	-	3	0	3
1996	-	-	2,876	2,233	-	5,364	6,378	788	-	-	17,639	-	-	-	-	-	-	-	-
1997	-	101	2,348	-	-	255	1,424	869	-	-	4,997	-	-	-	-	-	-	-	-
1998	-	0	69	-	-	75	2,501	599	-	-	3,244	-	-	-	-	-	-	-	-
1999	-	-	4	-	-	844	2,650	364	-	-	3,862	-	-	-	-	-	-	-	-
2000	-	-	21	-	-	1,405	3,206	861	-	-	5,493	-	-	-	-	-	-	-	-
2001	-	-	233	362	-	1,290	6,509	728	-	-	9,122	-	-	-	-	-	-	-	-
2002	5	103	118	952	1,457	3,399	13,275	961	-	-	20,270	-	-	-	-	-	-	-	-
2003	0	1,764	659	584	1,082	1,108	3,163	753	3	-	9,116	-	-	-	-	-	-	-	-
2004	6	750	774	2,831	7,550	21,697	6,531	220	40	-	40,399	-	-	-	-	-	-	-	-
2005	87	6	-	-	-	-	8,430	641	156	-	9,320	-	-	-	-	-	-	-	-
2006	-	-	-	-	-	-	12	590	136	-	738	-	-	-	-	-	-	-	-
2007	-	15	25	727	1,150	1,524	9,162	209	47	-	12,859	-	-	-	-	-	-	-	-
2008[a/]	-	-	-	-	-	-	-	236	-	-	236	-	-	-	-	-	-	-	-

TABLE A-21. Cape Falcon to U.S./Mexico border commercial troll Chinook and coho salmon landings in numbers of fish by region and month. (Page 2 of 2)

Year or Avg.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season	Apr.	May	June	July	Aug.	Sept.	Oct.	Season
						CHINOOK									**COHO**				
Horse Mt. to U.S./Mexico Border																			
1976-1980	-	34,194	108,017	87,178	128,494	48,348	26,139	-	-	-	432,370	13	13,988	42,514	19,864	4,307	540	0	67,225
1981-1985	-	31,016	95,110	63,197	128,909	57,751	17,536	-	-	-	393,519	37	503	5,765	14,913	2,219	276	0	23,173
1986-1990	-	-	239,714	226,495	193,068	71,735	17,365	-	-	-	748,377	-	-	15,505	17,802	3,427	163	0	36,897
1991-1995	-	-	121,373	73,940	80,950	42,707	22,018	-	-	-	340,988	-	-	25,850	12,250	2,825	-	-	40,925
1996	-	-	97,075	130,284	95,417	28,581	20,419	-	-	-	371,776	-	-	-	-	-	-	-	-
1997	-	11,891	199,057	74,576	153,940	24,737	21,790	-	-	-	485,991	-	-	-	-	-	-	-	-
1998	-	-	76,266	39,438	74,931	15,900	17,900	-	-	-	224,435	-	-	-	-	-	-	-	-
1999	-	3,268	30,554	125,629	71,469	24,035	6,997	-	-	-	261,952	-	-	-	-	-	-	-	-
2000	-	-	205,634	138,470	47,403	27,033	59,785	-	-	-	478,325	-	-	-	-	-	-	-	-
2001	-	-	73,044	11,497	63,084	14,172	22,111	3,655	-	-	187,563	-	-	-	-	-	-	-	-
2002	-	-	86,120	93,214	128,032	56,896	13,456	470	-	-	378,188	-	-	-	-	-	-	-	-
2003	-	-	73,234	104,201	123,712	111,086	73,735	1,882	-	-	487,850	-	-	-	-	-	-	-	-
2004	-	-	97,596	154,175	157,237	44,525	15,451	1,211	-	-	470,195	-	-	-	-	-	-	-	-
2005	-	-	76,855	5,001	139,928	35,046	74,673	2,305	-	-	333,808	-	-	-	-	-	-	-	-
2006	-	-	9,911	391	16,783	18,589	22,982	1,072	-	-	69,728	-	-	-	-	-	-	-	-
2007	-	748	36,598	156	41,808	23,212	2,505	352	-	-	105,379	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total South of Cape Falcon																			
1976-1980	-	42,728	209,087	135,541	241,157	142,938	57,106	13,463	2,458	-	844,479	26,024	54,897	267,931	424,414	151,469	12,087	1,141	857,041
1981-1985	-	31,016	139,724	83,407	199,475	125,855	34,284	6,299	1,149	-	621,208	37	4,029	12,948	248,929	70,738	2,240	0	334,855
1986-1990	-	-	286,235	316,652	336,505	167,846	55,719	21,881	1,642	-	1,186,481	-	-	27,490	313,756	80,277	4,883	0	426,405
1991-1995	-	-	133,977	88,353	93,260	71,953	39,747	14,748	453	-	442,491	-	-	71,475	118,161	10,265	3	12	199,916
1996	-	-	125,581	171,784	95,417	94,742	52,764	14,927	845	-	556,060	-	-	8	-	-	-	-	8
1997	-	16,384	232,423	109,957	153,940	69,580	49,000	5,370	492	-	637,146	-	-	-	-	-	-	-	-
1998	-	19,953	116,006	73,187	74,931	36,850	25,353	3,967	900	-	351,147	-	-	-	-	-	-	-	-
1999	-	4,094	36,610	149,076	79,564	42,099	11,431	2,816	1,237	43	326,970	-	-	-	-	-	-	-	-
2000	-	1,187	211,719	149,911	67,067	75,780	93,346	13,096	1,537	367	614,010	-	-	-	-	-	-	-	-
2001	-	18,536	133,829	54,785	100,623	76,169	59,155	19,495	1,345	21	463,958	-	-	-	-	-	-	-	-
2002	6,667	10,689	109,690	154,047	141,810	88,596	85,592	84,636	1,255	65	683,047	-	-	-	-	-	-	-	-
2003	3,192	60,663	147,415	136,626	144,373	149,515	126,544	41,724	999	137	811,188	-	-	-	-	-	-	-	-
2004	21,049	34,739	135,640	179,905	178,855	142,874	46,513	9,753	2,191	182	751,701	-	-	-	-	-	-	-	-
2005	28,384	4,788	132,596	54,896	139,928	35,046	165,040	20,116	943	335	582,072	-	-	-	-	-	-	-	-
2006	-	-	9,911	10,049	20,399	19,551	27,361	5,111	1,691	131	94,204	-	-	-	-	-	-	-	-
2007	-	2,619	43,951	5,346	44,717	37,096	12,380	1,356	717	3	148,185	-	-	-	-	5,023	519	-	5,542
2008[a/]	-	-	-	-	-	-	64	248	208	-	520	-	-	-	-	-	-	-	-

a/ Preliminary.

b/ The current KMZ boundaries are Humbug Mt. to Horse Mt. These have changed slightly since the early 1980s. Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month.

TABLE A-22. Cape Falcon to U.S/Mexico border ocean recreational fishing effort in salmon angler trips by region and month.[a/]
(Page 1 of 2)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
Cape Falcon to Humbug Mt.											
1978-1980	-	-	0	9,025	44,358	97,228	83,028	17,580	2,250	151	252,629
1981-1985	-	-	-	5,279	21,790	78,019	61,312	10,677	1,603	--	151,116
1986-1990	-	-	-	2,054	18,538	82,564	51,012	11,171	--	--	164,930
1991-1995	-	-	-	1,817	11,249	63,162	22,523	5,191	4,948	396	64,187
1996	-	-	-	1,271	917	643	4,134	4,766	3,255	--	14,986
1997	-	-	29	439	762	873	4,044	2,142	1,673	--	9,962
1998	-	-	0	677	166	375	3,082	2,531	2,912	--	9,743
1999	-	-	12	663	808	15,588	2,167	3,380	3,495	104	26,217
2000	-	-	26	490	328	30,371	8,514	4,817	3,332	235	48,113
2001	-	-	0	1,349	17,548	35,973	9,449	4,384	2,254	162	71,119
2002	-	-	275	1,295	6,181	36,658	14,194	9,322	7,893	50	75,868
2003	-	81	139	1,695	10,884	54,115	31,069	8,437	3,635	395	110,450
2004	-	78	238	1,490	14,867	49,370	28,773	10,599	3,094	291	108,800
2005	-	30	406	1,470	12,598	13,820	9,797	11,248	778	12	50,159
2006	-	24	92	800	4,918	18,334	3,817	9,996	5,368	98	43,447
2007	-	36	75	1,244	7,828	22,067	25,908	5,227	2,341	40	64,766
2008[a/]	-	-	-	-	3,253	7,681	5,052	3,635	2,348	--	21,969
Humbug Mt. to Horse Mt. (KMZ)[b/]											
1978-1980	0	0	4	1,607	20,812	50,059	30,892	8,329	5,617	913	118,233
1981-1985	0	0	1	3,481	14,938	49,198	26,922	4,354	3,416	138	102,448
1986-1990	0	0	-	5,291	33,539	62,718	27,347	5,042	3,353	-	135,949
1991-1995	-	-	-	6,722	16,127	28,644	7,901	7,727	2,879	-	51,816
1996	-	-	-	5,095	17,467	5,583	10,650	5,590	4,282	-	48,667
1997	-	-	-	5,849	8,635	6,538	11,693	1,551	1,269	-	35,535
1998	-	-	-	3,974	5,537	2,571	6,784	2,508	2,755	-	24,129
1999	-	-	-	268	6,579	5,413	14,905	4,129	2,318	-	33,612
2000	-	-	-	1,170	7,530	7,747	20,126	2,551	3,205	-	42,329
2001	-	-	-	6,542	11,561	11,274	15,394	1,683	4,340	-	50,794
2002	-	-	-	4,989	10,558	1,259	14,412	6,074	3,973	-	41,265
2003	-	-	-	3,669	5,103	7,346	8,750	3,026	2,630	-	30,524
2004	-	-	-	5,830	7,419	9,227	13,450	6,405	1,575	-	43,906
2005	-	-	-	1,799	9,099	1,932	8,781	5,898	2,398	-	29,907
2006	-	-	-	4,887	8,619	3,174	-	7,320	3,081	-	27,081
2007	-	-	-	2,346	6,223	7,541	10,178	2,004	3,263	-	31,555
2008[a/]	-	-	-	-	712	2,317	701	-	1,065	-	4,795

TABLE A-22. Cape Falcon to U.S/Mexico border ocean recreational fishing effort in salmon angler trips by region and month. (Page 2 of 2)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
Horse Mt. to U.S./Mexico Border											
1976-1980	9,865	12,468	9,230	9,929	12,998	22,054	19,400	13,245	7,968	4,078	119,603
1981-1985	5,107	7,945	8,771	8,898	14,341	22,038	16,941	9,593	5,648	1,426	100,709
1986-1990	8,272	17,094	24,034	13,831	23,693	36,170	22,631	10,893	5,029	1,563	163,209
1991-1995	675	15,641	23,079	22,180	30,007	51,595	26,483	11,093	5,939	302	186,873
1996	49	35,215	30,349	21,778	31,697	43,378	26,313	8,060	3,141	0	199,980
1997	--	21,546	29,711	29,897	39,076	56,577	29,058	5,961	3,212	380	215,418
1998	--	6,225	17,692	18,052	28,228	33,732	25,998	8,385	3,480	--	141,792
1999	14	8,721	11,785	6,475	22,087	41,263	23,824	9,638	5,421	--	129,228
2000	--	0	36,688	32,716	38,284	39,383	24,792	15,273	5,466	1,451	194,053
2001	0	1,573	26,353	23,014	14,267	30,775	23,004	12,782	6,081	2,593	140,442
2002	194	3,760	40,477	27,539	30,025	45,831	30,791	7,688	1,823	381	188,509
2003	607	6,374	15,069	17,055	20,779	34,536	14,786	6,713	2,667	264	118,850
2004	183	999	32,865	28,873	29,067	57,641	27,768	9,908	4,303	1,539	193,146
2005	869	521	24,631	19,797	27,711	38,248	22,891	13,250	5,868	965	154,751
2006	289	298	19,198	17,128	25,376	31,705	9,684	4,102	1,827	448	110,055
2007	249	855	15,043	13,297	19,620	21,548	8,532	3,091	1,817	1,394	85,446
2008[a/]	206	185	-	-	-	-	-	-	-	-	391
Total South of Cape Falcon											
1976-1980	9,865	12,468	9,233	20,561	78,167	169,341	133,321	39,154	14,935	3,420	490,465
1981-1985	5,107	7,945	8,772	14,491	42,353	149,255	92,912	22,489	9,385	1,564	354,272
1986-1990	8,272	17,094	24,034	20,765	75,770	181,452	100,990	27,107	7,041	1,563	464,088
1991-1995	675	15,641	23,079	29,374	54,157	106,679	41,813	20,897	10,221	425	302,876
1996	49	35,215	30,349	28,144	50,081	49,604	41,097	18,416	10,678	--	263,633
1997	--	21,546	29,740	36,185	48,473	63,988	44,795	9,654	6,154	380	260,915
1998	--	6,225	17,692	22,703	33,931	36,678	35,864	13,424	9,147	--	175,664
1999	14	8,721	11,797	7,406	29,474	62,264	40,896	17,147	11,234	104	189,057
2000	--	0	36,714	34,376	46,142	77,501	53,432	22,641	12,003	1,686	284,495
2001	0	1,573	26,353	30,905	43,376	78,022	47,847	18,849	12,675	2,755	262,355
2002	194	3,760	40,752	33,823	46,764	83,748	59,397	23,084	13,689	431	305,642
2003	607	6,455	15,208	22,419	36,766	95,997	54,605	18,176	8,932	659	259,824
2004	183	1,077	33,103	36,193	51,353	116,238	69,991	26,912	8,972	1,830	345,852
2005	869	551	25,037	23,066	49,408	54,000	41,469	30,396	9,044	977	234,817
2006	289	322	19,290	22,815	38,913	53,213	13,501	21,418	10,276	546	180,583
2007	249	891	15,118	16,887	33,671	51,156	44,618	10,322	7,421	1,434	181,767
2008[a/]	206	185	-	-	3,965	9,998	5,753	3,635	3,413	--	27,155

a/ Preliminary.

b/ The current KMZ boundaries are Humbug Mt. to Horse Mt. These have changed slightly since the early 1980s. Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month.

TABLE A-23. Cape Falcon to U.S./Mexico border ocean recreational salmon landings in numbers of fish by region and month.[a/] (Page 1 of 2)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
						CHINOOK											COHO					
Cape Falcon to Humbug Mt.																						
1976-1980	-	-	0	700	2,780	4,114	5,079	1,463	144	39	14,239	-	-	-	9,099	46,920	76,187	54,894	5,617	671	-	193,118
1981-1985	-	-	-	55	787	6,327	3,518	642	42	--	11,326	-	-	-	2,321	18,010	62,626	40,922	4,706	-	-	119,511
1986-1990	-	-	-	150	1,678	7,128	4,099	1,639	--	--	14,664	-	-	-	1,136	21,865	97,505	45,530	6,824	-	-	171,268
1991-1995	-	-	-	146	1,144	3,030	1,044	465	1,254	42	4,230	-	-	-	522	21,985	87,767	25,734	3,192	-	-	97,169
1996	-	-	-	163	189	307	702	891	733	--	2,985	-	-	-	-	-	-	47	11	1	-	59
1997	-	-	2	80	166	162	1,402	309	287	--	2,408	-	-	-	-	-	8	24	6	-	-	38
1998	-	-	0	101	81	173	609	524	531	--	2,019	-	-	-	-	-	-	80	11	2	-	93
1999	-	-	0	129	233	1,327	412	704	527	8	3,340	-	-	-	-	-	6,031	2	11	2	-	6,046
2000	-	-	4	63	43	7,966	3,040	1,264	435	63	12,878	-	-	-	-	-	19,316	57	20	8	-	19,401
2001	-	-	0	217	2,038	7,816	4,721	1,965	594	23	17,374	-	-	-	21	17,671	37,093	205	76	22	-	55,088
2002	-	-	155	330	5,144	16,609	5,995	3,923	2,636	0	34,792	-	-	-	-	35	19,701	2,163	103	24	-	22,026
2003	-	2	22	268	2,936	15,116	9,235	3,960	1,273	64	32,876	-	-	-	2	7,578	50,861	25,318	64	14	-	83,837
2004	-	2	24	315	3,904	21,493	14,646	5,053	1,907	69	47,413	-	-	-	2	4,955	30,949	11,667	466	23	-	48,062
2005	-	6	104	201	3,696	4,228	4,564	5,524	280	0	18,603	-	-	-	-	2,064	1,422	37	107	-	-	3,630
2006	-	2	4	68	540	3,755	982	1,863	2,024	49	9,287	-	-	-	-	469	8,346	36	634	-	-	9,485
2007	-	3	0	72	255	804	1,076	597	474	16	3,297	-	-	-	2	4,734	19,223	16,417	311	-	-	40,687
2008[a/]	-	-	-	-	9	6	3	262	201	--	481	-	-	-	-	770	2,811	4,131	45	3	-	7,760
Humbug Mt. to Horse Mt. (KMZ)[b/]																						
1976-1980	-	0	0	252	2,699	8,214	5,604	706	721	75	18,272	--	--	1	483	17,791	29,095	9,034	713	430	0	57,548
1981-1985	-	0	1	2,463	4,949	17,196	7,185	703	515	9	33,021	--	--	0	378	5,668	17,700	5,744	354	1	0	29,844
1986-1990	-	0	-	1,782	14,924	21,557	8,664	1,935	581	-	49,211	--	--	-	1,081	12,458	32,289	7,650	877	10	-	54,361
1991-1995	-	-	-	2,752	6,005	4,480	1,559	1,849	653	-	13,312	-	-	-	186	8,173	15,356	2,224	900	2	-	18,580
1996	-	-	-	2,575	8,556	1,256	4,056	1,220	1,281	-	18,944	-	-	-	-	175	49	58	67	11	-	360
1997	-	-	-	2,616	3,047	3,034	4,465	233	675	-	14,070	-	-	-	33	66	113	107	9	-	-	328
1998	-	-	-	974	1,500	686	968	353	394	-	4,875	-	-	-	-	21	23	50	-	6	-	100
1999	-	-	-	13	2,328	2,152	4,172	625	348	-	9,638	-	-	-	-	36	42	95	4	-	-	177
2000	-	-	-	312	2,754	5,853	14,449	1,114	810	-	25,292	-	-	-	-	19	50	180	8	-	-	257
2001	-	-	-	2,690	5,225	3,859	5,554	1,848	856	-	20,032	-	-	-	11	118	55	58	-	13	-	255
2002	-	-	-	3,048	7,768	630	8,533	5,785	301	-	26,065	-	-	-	10	253	42	57	41	-	-	403
2003	-	-	-	3,385	2,156	2,638	3,130	2,339	552	-	14,200	-	-	-	29	59	25	63	12	-	-	188
2004	-	-	-	6,514	4,530	6,090	9,100	3,214	233	-	29,681	-	-	-	194	440	787	369	42	3	-	1,835
2005	-	-	-	1,206	10,218	2,317	5,249	3,857	404	-	23,251	-	-	-	24	137	3	40	57	-	-	261
2006	-	-	-	4,620	6,199	2,515	-	4,464	397	-	18,195	-	-	-	93	503	150	-	169	7	-	922
2007	-	-	-	841	5,290	5,001	8,064	2,215	535	-	21,946	-	-	-	-	245	745	917	60	3	-	1,970
2008[a/]	-	-	-	-	-	-	-	-	280	--	280	-	-	-	-	449	1,273	409	-	3	-	2,134

TABLE A-23. Cape Falcon to U.S./Mexico border ocean recreational salmon landings in numbers of fish by region and month. (Page 2 of 2)

Year or Avg.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Season
						CHINOOK											**COHO**					
Horse Mt. to U.S./Mexico Border																						
1976-1980	5,830	8,504	8,715	6,238	11,781	16,557	9,694	7,432	6,663	1,338	82,753	10	14	238	1,439	1,551	2,151	600	136	14	2	6,155
1981-1985	5,947	7,266	7,238	7,654	13,303	18,990	16,587	8,530	5,546	1,410	92,471	0	1	21	149	680	903	303	40	29	0	2,125
1986-1990	5,630	15,288	26,365	10,037	18,925	28,491	17,858	7,834	4,240	1,319	135,987	0	1	56	212	1,300	2,384	772	153	12	0	4,890
1991-1995	244	11,376	21,564	15,561	27,663	53,815	17,807	8,925	4,451	159	161,502	0	9	23	260	3,128	5,839	733	142	25	--	10,159
1996	11	31,966	31,658	13,223	27,212	32,339	11,163	4,371	1,342	--	153,285	-	-	3	2	187	44	124	30	-	-	390
1997	--	20,090	26,939	25,745	45,656	72,545	23,558	3,010	2,384	58	219,985	-	-	-	18	30	203	17	17	-	-	285
1998	--	2,989	13,130	15,270	23,741	37,085	20,675	4,421	1,789	--	119,100	-	-	-	-	12	21	7	-	-	-	40
1999	0	1,691	6,631	1,633	13,444	33,990	15,172	6,538	2,555	--	81,654	-	-	-	12	190	134	123	12	6	-	477
2000	--	--	40,311	32,110	35,298	27,377	17,509	11,052	6,815	1,905	172,377	-	-	-	-	141	54	25	3	-	-	223
2001	--	1,256	18,059	11,892	8,153	23,121	12,154	7,030	3,071	1,223	85,959	-	-	4	420	211	462	46	-	-	-	1,143
2002	14	2,979	37,759	21,933	30,342	51,328	17,859	3,290	348	61	165,913	-	-	2	22	130	333	46	-	-	-	533
2003	444	3,978	9,569	12,209	19,043	29,442	6,501	3,688	1,048	0	85,922	-	-	-	70	197	189	11	9	-	-	476
2004	41	510	31,470	24,847	33,948	70,611	24,970	8,717	2,818	338	198,270	-	-	-	41	113	475	201	34	-	-	864
2005	285	111	14,255	14,272	31,351	34,094	16,015	11,020	3,955	355	125,713	-	-	-	35	242	243	28	-	-	-	548
2006	55	109	9,408	14,233	24,099	26,657	4,023	982	256	67	79,889	-	-	-	108	640	588	49	-	-	-	1,385
2007	48	200	3,152	6,405	8,613	8,080	1,154	390	441	325	28,808	-	-	-	53	104	149	25	14	-	-	345
2008[a/]	0	6	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
Total South of Cape Falcon																						
1976-1980	5,830	8,504	8,715	7,190	17,259	28,886	20,378	9,602	7,471	1,428	115,264	10	14	239	11,021	66,262	107,432	64,529	6,466	847	2	256,821
1981-1985	5,947	7,266	7,239	10,162	19,039	42,513	27,290	9,875	6,070	1,419	136,819	0	1	21	1,919	17,153	81,228	46,969	4,158	30	0	151,479
1986-1990	5,630	15,288	26,365	11,939	35,527	57,176	30,621	11,409	4,588	1,319	199,862	0	1	56	2,202	35,623	132,177	53,953	6,489	18	0	230,519
1991-1995	244	11,376	21,564	17,908	33,611	58,321	19,472	10,960	5,475	140	179,043	0	9	23	722	22,857	67,713	12,805	2,319	26	--	106,474
1996	11	31,966	31,658	15,961	35,957	33,902	15,921	6,482	3,356	--	175,214	-	-	3	2	362	93	229	108	12	-	809
1997	0	20,090	26,941	28,441	48,869	75,741	29,425	3,552	3,346	58	236,463	-	-	-	51	96	324	148	32	-	-	651
1998	0	2,989	13,130	16,345	25,322	37,944	22,252	5,298	2,714	--	125,994	-	-	-	-	33	44	137	11	8	-	233
1999	0	1,691	6,631	1,775	16,005	37,469	19,756	7,867	3,430	8	94,632	-	-	-	12	226	6,207	220	27	8	-	6,700
2000	0	0	40,315	32,485	38,095	41,196	34,998	13,430	8,060	1,968	210,547	-	-	-	-	160	19,420	262	31	8	-	19,881
2001	0	1,256	18,059	14,799	15,416	34,796	22,429	10,843	4,521	1,246	123,365	-	-	4	452	18,000	37,610	309	76	35	-	56,486
2002	14	2,979	37,914	25,311	43,254	68,567	32,387	12,998	3,285	61	226,770	-	-	2	32	418	20,076	2,266	144	24	-	22,962
2003	444	3,980	9,591	15,862	24,135	47,196	18,866	9,987	2,873	64	132,998	-	-	-	101	7,834	51,075	25,392	85	14	-	84,501
2004	41	512	31,494	31,676	42,382	98,194	48,716	16,984	4,958	407	275,364	-	-	-	237	5,508	32,211	12,237	542	26	-	50,761
2005	285	117	14,359	15,679	45,265	40,639	25,828	20,401	4,639	355	167,567	-	-	-	59	2,443	1,668	105	164	-	-	4,439
2006	55	111	9,412	18,921	30,838	32,927	5,005	7,309	2,677	116	107,371	-	-	-	201	1,612	9,084	85	803	7	-	11,792
2007	48	203	3,152	7,318	14,158	13,885	10,294	3,202	1,450	341	54,051	-	-	-	55	5,083	20,117	17,359	385	3	-	43,002
2008[a/]	0	6	-	-	9	6	3	262	481	--	767	-	-	-	-	1,219	4,084	4,540	45	6	-	9,894

a/ Preliminary.

b/ The current KMZ boundaries are Humbug Mt. to Horse Mt. These have changed slightly since the early 1980s. Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month.

TABLE A-24. U.S./Canada border to Cape Falcon commercial troll salmon fishing effort in days fished by area and month.[a/]
(Page 1 of 3)

Year or Avg.	May	June	July	Aug.	Sept.	Oct.	Season
U.S./Canada Border to Leadbetter Pt. - Non-Indian							
1976-1980	3,482	2,262	11,876	12,038	4,519	-	34,176
1981-1985	2,700	309	5,650	2,388	14	-	9,858
1986-1990	2,255	830	438	750	15	-	3,847
1991-1995	1,578	1,054	775	635	304	-	3,224
1996	-	-	181	231	-	-	412
1997	294	158	-	-	-	-	452
1998	127	12	-	-	-	-	139
1999	271	231	135	86	6	-	729
2000	193	95	-	71	3	-	362
2001	209	212	159	70	38	-	688
2002	428	183	420	242	-	-	1,273
2003	421	195	476	415	77	-	1,584
2004	460	10	392	342	125	-	1,329
2005	492	104	337	402	-	-	1,335
2006	359	381	99	296	169	-	1,304
2007	445	253	354	114	8	-	1,174
2008[b/]	246	353	223	213	60	-	1,095
U.S./Canada Border to Leadbetter Pt. - Treaty Indian[c/]							
1976-1980	61	137	192	162	50	6	603
1981-1985	79	141	284	313	146	17	963
1986-1990	138	168	434	460	161	2	1,360
1991-1995	69	71	182	311	48	10	682
1996	13	34	42	102	90	-	281
1997	25	48	0	164	62	-	299
1998	33	19	3	41	43	-	139
1999	43	46	5	117	71	-	282
2000	43	41	5	55	0	-	144
2001	53	65	122	172	104	-	516
2002	31	42	61	51	41	10	226
2003	24	27	63	57	45	15	216
2004	27	49	127	152	76	15	431
2005	98	146	126	150	77	0	597
2006	96	285	167	140	117	5	805
2007[b/]	22	199	218	175	7	0	621
2008[b/]	30	121	143	225	95	1	614
U.S./Canada Border to Leadbetter Pt. - Total[c/]							
1976-1980	3,543	2,399	12,069	12,200	4,569	6	34,780
1981-1985	2,779	388	4,804	2,701	149	17	10,821
1986-1990	2,393	832	609	1,210	164	2	5,207
1991-1995	1,016	704	492	819	230	10	3,260
1996	13	34	223	333	90	-	693
1997	319	206	0	164	62	-	751
1998	160	31	3	41	43	-	278
1999	314	277	140	203	77	-	1,011
2000	236	136	5	126	3	-	506
2001	262	277	281	242	142	-	1,204
2002	459	225	481	293	41	10	1,499
2003	445	222	539	472	122	15	1,800
2004	487	59	519	494	201	15	1,760
2005	590	250	463	552	77	0	1,932
2006	455	666	266	436	286	5	2,109
2007[b/]	467	452	572	289	15	0	1,795
2008[b/]	276	474	366	438	155	1	1,709

TABLE A-24. U.S./Canada border to Cape Falcon commercial troll salmon fishing effort in days fished by area and month.[a/] (Page 2 of 3)

Year or Avg.	May	June	July	Aug.	Sept.	Oct.	Season
Leadbetter Pt. to Cape Falcon - Non-Indian							
1976-1980	900	838	4,419	3,751	1,920	56	11,882
1981-1985	969	58	977	906	146	0	3,057
1986-1990	343	87	467	1,162	850	22	1,530
1991-1995	153	52	113	326	155	-	709
1996	-	-	-	-	-	-	-
1997	6	2	-	-	-	-	8
1998	0	0	-	-	-	-	0
1999	0	1	-	-	-	-	1
2000	1	6	-	294	29	-	330
2001	29	27	97	126	39	-	318
2002	40	57	182	216	-	-	495
2003	113	24	152	175	63	-	527
2004	51	4	82	106	156	-	399
2005	230	51	55	283	-	-	619
2006	581	353	3	79	99	-	1,115
2007	99	73	50	179	24	-	425
2008[b/]	313	359	34	54	13	-	773
U.S./Canada Border to Cape Falcon - Non-Indian Total							
1976-1980	4,382	3,100	16,295	15,788	6,438	56	46,058
1981-1985	3,669	305	5,497	3,294	149	0	12,915
1986-1990	2,598	895	671	1,447	858	22	5,377
1991-1995	1,731	1,106	888	879	407	-	3,756
1996	-	-	181	231	-	-	412
1997	300	160	-	-	-	-	460
1998	127	12	-	-	-	-	139
1999	271	232	135	86	6	-	730
2000	194	101	-	365	32	-	692
2001	238	239	256	196	77	-	1,006
2002	468	240	602	458	-	-	1,768
2003	534	219	628	590	140	-	2,111
2004	511	14	474	448	281	-	1,728
2005	722	155	392	685	-	-	1,954
2006	940	734	102	375	268	-	2,419
2007	544	326	404	293	32	-	1,599
2008[b/]	559	712	257	267	73	-	1,868
U.S./Canada Border to Cape Falcon - Treaty Indian Total[c/]							
1976-1980	61	137	192	162	50	6	603
1981-1985	79	141	284	313	146	17	963
1986-1990	138	168	434	460	161	2	1,360
1991-1995	69	71	182	311	48	10	682
1996	13	34	42	102	90	-	281
1997	25	48	0	164	62	-	299
1998	33	19	3	41	43	-	139
1999	43	46	5	117	71	-	282
2000	43	41	5	55	0	-	144
2001	53	65	122	172	104	-	516
2002	31	42	61	51	41	10	226
2003	24	27	63	57	45	15	216
2004	27	49	127	152	76	15	431
2005	98	146	126	150	77	0	597
2006	96	285	167	140	117	5	805
2007[b/]	22	199	218	175	7	0	621
2008[b/]	30	121	143	225	95	1	614

TABLE A-24. U.S./Canada border to Cape Falcon commercial troll salmon fishing effort in days fished by area and month.[a/] (Page 3 of 3)

Year or Avg.	May	June	July	Aug.	Sept.	Oct.	Season
U.S./Canada Border to Cape Falcon - Total Treaty Indian and Non-Indian[c/]							
1976-1980	4,598	1,584	14,872	14,595	3,982	38	39,663
1981-1985	3,186	443	3,575	1,919	273	16	9,396
1986-1990	2,569	1,036	678	1,862	635	16	6,784
1991-1995	720	519	515	556	178	0	2,489
1996	13	34	223	333	90	-	693
1997	325	208	0	164	62	-	759
1998	160	31	3	41	43	-	278
1999	314	278	140	203	77	-	1,012
2000	237	142	5	420	32	-	836
2001	291	304	378	368	181	-	1,522
2002	499	282	663	509	41	10	1,994
2003	558	246	691	647	185	15	2,327
2004	538	63	601	600	357	15	2,159
2005	820	301	518	835	77	0	2,551
2006	1,036	1,019	269	515	385	5	3,224
2007[b/]	566	525	622	468	39	0	2,220
2008[b/]	589	833	400	492	168	1	2,482

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Preliminary.

c/ Treaty troll effort in number of landings, which closely approximates days fished because treaty Indian fishers do not usually make multi-day trips. Season totals do not include January-April, October, or November-December treaty troll effort.

TABLE A-25. U.S./Canada border to Cape Falcon ocean troll Chinook and coho landings in number of fish by catch area and month.[a/] (Page 1 of 4)

Year or Avg.	May	June	July	Aug.	Sept.	Oct.	Season	May	June	July	Aug.	Sept.	Oct.	Season
				CHINOOK							**COHO**			
U.S./Canada Border to Leadbetter Pt. - Non-Indian														
1976-1980	41,761	24,669	51,037	33,083	9,456	-	160,006	97	134,856	303,327	174,800	62,229	-	567,347
1981-1985	25,195	3,442	24,381	4,671	31	-	52,131	-	-	117,950	25,994	100	-	120,394
1986-1990	27,081	11,294	8,914	1,811	11	-	41,133	-	-	18,447	34,981	16	-	35,367
1991-1995	15,857	11,859	3,929	1,279	1,118	-	24,589	-	-	7,119	13,592	8,242	-	23,332
1996	-	-	-	-	-	-	-	-	-	7,137	10,389	-	-	17,526
1997	4,514	1,904	-	-	-	-	6,418	-	-	-	-	-	-	-
1998	5,747	182	-	-	-	-	5,929	-	-	-	-	-	-	-
1999	4,191	7,075	4,030	2,160	-	-	17,456	-	-	673	2,813	337	-	3,823
2000	6,534	2,427	-	752	3	-	9,716	-	-	-	2,419	49	-	2,468
2001	7,092	7,188	4,940	846	219	-	20,285	-	-	1,969	2,070	2,615	-	6,654
2002	18,010	11,001	15,271	7,781	-	-	52,063	-	-	-	53	-	-	53
2003	17,920	8,808	14,372	12,056	1,126	-	54,282	-	-	3,279	3,755	633	-	7,667
2004	15,254	1,157	7,891	8,885	1,827	-	35,014	-	-	2,042	4,652	5,469	-	12,163
2005	18,294	2,204	6,009	7,073	-	-	33,580	-	-	166	638	-	-	804
2006	4,735	3,548	1,073	3,458	1,831	-	14,645	-	-	122	816	253	-	1,191
2007	5,693	3,868	3,459	721	27	-	13,768	-	-	1,944	1,043	34	-	3,021
2008[b/]	1,451	3,350	1,173	1,161	259	-	7,394	-	-	351	917	361	-	1,629
U.S./Canada Border to Leadbetter Pt. - Treaty Indian[c/]														
1976-1980	787	2,037	1,776	415	70	11	5,086	720	7,677	2,915	1,275	443	11	13,030
1981-1985	2,150	1,883	3,636	1,336	1,018	198	10,023	283	7,435	16,406	24,484	16,666	54	65,274
1986-1990	6,877	5,955	6,726	4,506	1,248	12	25,312	3	4,256	32,310	35,942	11,051	7	83,563
1991-1995	4,343	4,181	3,511	4,243	571	29	16,849	1	1	17,220	26,038	5,275	103	48,535
1996	1,473	1,974	457	4,845	3,561	-	12,310	0	0	0	4,655	13,885	-	18,540
1997	819	7,486	0	4,720	1,136	-	14,161	0	0	0	11,481	4,343	-	15,824
1998	5,189	4,442	47	3,860	1,148	-	14,686	0	0	74	3,855	4,225	-	8,154
1999	2,536	15,666	1,530	4,101	3,619	-	27,452	0	0	0	13,151	20,213	-	33,364
2000	2,885	3,052	196	1,505	0	-	7,638	0	1	0	22,174	0	-	22,175
2001	2,278	13,705	6,561	2,988	3,311	-	28,843	0	12	8,510	27,984	22,089	-	58,595
2002	5,364	11,206	12,079	8,074	3,123	30	39,846	1	1	3,449	4,929	9,042	80	17,422
2003	2,856	13,039	12,935	5,232	1,110	35	35,172	3	0	4,449	4,276	2,214	85	10,942
2004	9,947	16,977	10,765	6,960	5,086	25	49,735	3	3	16,133	36,684	9,274	100	62,097
2005	6,858	18,374	4,971	8,100	3,672	0	41,975	3	1	3,756	15,949	4,288	0	23,997
2006	2,821	8,341	7,736	6,690	4,957	15	30,545	16	102	10,475	10,634	10,711	5	31,938
2007[b/]	316	14,667	3,354	4,663	70	0	23,070	0	12	23,279	16,915	860	0	41,066
2008[b/]	343	8,863	2,119	6,177	3,574	1	21,076	0	18	874	3,708	9,819	0	14,419

TABLE A-25. U.S./Canada border to Cape Falcon ocean troll Chinook and coho landings in number of fish by catch area and month.[a/] (Page 2 of 4)

Year or Avg.	May	June	July	Aug.	Sept.	Oct.	Season	May	June	July	Aug.	Sept.	Oct.	Season
				CHINOOK							**COHO**			
U.S./Canada Border to Leadbetter Pt. - Total[c/]														
1976-1980	42,548	26,706	52,813	33,498	9,526	11	165,092	740	34,648	306,242	176,074	62,673	11	580,376
1981-1985	27,345	4,637	23,141	6,007	1,024	198	62,154	283	7,435	110,766	50,478	16,706	54	185,667
1986-1990	33,958	14,990	10,291	5,955	1,250	12	66,445	3	4,256	39,689	63,927	11,054	7	118,930
1991-1995	13,857	11,297	5,082	5,266	1,018	29	36,520	1	1	20,068	36,911	10,220	103	67,200
1996	1,473	1,974	457	4,845	3,561	-	12,310	0	0	7,137	15,044	13,885	-	36,066
1997	5,333	9,390	0	4,720	1,136	-	20,579	0	0	0	11,481	4,343	-	15,824
1998	10,936	4,624	47	3,860	1,148	-	20,615	0	0	74	3,855	4,225	-	8,154
1999	6,727	22,741	5,560	6,261	3,619	-	44,908	0	0	673	15,964	20,550	-	37,187
2000	9,419	5,479	196	2,257	3	-	17,354	0	1	0	24,593	49	-	24,643
2001	9,370	20,893	11,501	3,834	3,530	-	49,128	0	12	10,479	30,054	24,704	-	65,249
2002	23,374	22,207	27,350	15,855	3,123	30	91,909	1	1	3,449	4,982	9,042	80	17,475
2003	20,776	21,847	27,307	17,288	2,236	35	89,454	3	0	7,728	8,031	2,847	85	18,609
2004	25,201	18,134	18,656	15,845	6,913	25	84,749	3	3	18,175	41,336	14,743	100	74,260
2005	25,152	20,578	10,980	15,173	3,672	0	75,555	3	1	3,922	16,587	4,288	0	24,801
2006	7,556	11,889	8,809	10,148	6,788	15	45,190	16	102	10,597	11,450	10,964	5	33,129
2007[b/]	6,009	18,535	6,813	5,384	97	0	36,838	0	12	25,223	17,958	894	0	44,087
2008[b/]	1,794	12,213	3,292	7,338	3,833	1	28,470	0	18	1,225	4,625	10,180	0	16,048
Leadbetter Pt. to Cape Falcon - Non-Indian														
1976-1980	13,048	10,310	7,546	5,975	4,004	577	41,459	6	37,584	95,592	40,793	21,260	1,875	189,215
1981-1985	11,202	758	1,884	775	107	2	14,728	-	-	48,629	26,289	15,916	-	53,392
1986-1990	4,789	1,264	3,549	2,691	1,702	71	8,566	-	-	18,234	41,121	19,306	304	45,128
1991-1995	1,465	357	134	344	103	-	2,323	-	-	911	12,674	3,937	-	15,906
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	25	3	-	-	-	-	28	-	-	-	-	-	-	-
1998	0	0	-	-	-	-	0	-	-	-	-	-	-	-
1999	0	15	-	-	-	-	15	-	-	-	27	-	-	27
2000	9	236	-	2,464	89	-	2,798	-	-	-	14,014	1,043	-	15,057
2001	898	1,713	1,036	901	487	-	5,035	-	-	4,052	3,970	2,769	-	10,791
2002	1,226	3,237	5,096	4,994	-	-	14,553	-	-	-	1,642	-	-	1,642
2003	5,717	1,281	1,796	2,760	750	-	12,304	-	-	1,890	4,169	1,672	-	7,731
2004	1,940	94	453	430	559	-	3,476	-	-	906	1,708	7,355	-	9,969
2005	5,373	1,235	629	4,334	-	-	11,571	-	-	358	2,898	-	-	3,256
2006	8,913	3,532	1	62	105	-	12,613	-	-	17	1,211	260	-	1,488
2007	950	600	158	213	22	-	1,943	-	22	1,378	12,735	283	-	14,418
2008[b/]	2,977	3,336	134	160	23	-	6,630	-	-	53	365	37	-	455

TABLE A-25. U.S./Canada border to Cape Falcon ocean troll Chinook and coho landings in number of fish by catch area and month.[a/] (Page 3 of 4)

Year or Avg.	May	June	July	Aug.	Sept.	Oct.	Season	May	June	July	Aug.	Sept.	Oct.	Season
				CHINOOK							**COHO**			
U.S./Canada Border to Cape Falcon - Non-Indian														
1976-1980	54,809	34,978	58,583	39,058	13,460	577	201,465	36	71,298	398,919	215,593	83,490	1,875	756,562
1981-1985	36,397	3,511	21,389	5,446	113	2	66,859	-	-	154,422	47,025	5,372	-	173,785
1986-1990	31,870	12,242	10,688	3,829	1,708	71	49,699	-	-	27,564	65,822	19,314	304	71,470
1991-1995	17,321	12,216	4,063	1,537	1,220	-	26,331	-	-	8,030	23,097	10,866	-	35,261
1996	-	-	-	-	-	-	-	-	-	7,137	10,389	-	-	17,526
1997	4,539	1,907	-	-	-	-	6,446	-	-	-	-	-	-	-
1998	5,747	182	-	-	-	-	5,929	-	-	-	-	-	-	-
1999	4,191	7,090	4,030	2,160	-	-	17,471	-	-	673	2,840	337	-	3,850
2000	6,543	2,663	-	3,216	92	-	12,514	-	-	-	16,433	1,092	-	17,525
2001	7,990	8,901	5,976	1,747	706	-	25,320	-	-	6,021	6,040	5,384	-	17,445
2002	19,236	14,238	20,367	12,775	-	-	66,616	-	-	-	1,695	-	-	1,695
2003	23,637	10,089	16,168	14,816	1,876	-	66,586	-	-	5,169	7,924	2,305	-	15,398
2004	17,194	1,251	8,344	9,315	2,386	-	38,490	-	-	2,948	6,360	12,824	-	22,132
2005	23,667	3,439	6,638	11,407	-	-	45,151	-	-	524	3,536	-	-	4,060
2006	13,648	7,080	1,074	3,520	1,936	-	27,258	-	-	139	2,027	513	-	2,679
2007	6,643	4,468	3,617	934	49	-	15,711	-	22	3,322	13,778	317	-	17,439
2008[b/]	4,428	6,686	1,307	1,321	282	-	14,024	-	-	404	1,282	398	-	2,084
U.S./Canada Border to Cape Falcon - Treaty Indian[c/]														
1976-1980	787	2,037	1,776	415	70	11	5,086	720	7,677	2,915	1,275	443	11	13,030
1981-1985	2,150	1,883	3,636	1,336	1,018	198	10,023	283	7,435	16,406	24,484	16,666	54	65,274
1986-1990	6,877	5,955	6,726	4,506	1,248	12	25,312	3	4,256	32,310	35,942	11,051	7	83,563
1991-1995	4,343	4,181	3,511	4,243	571	29	16,849	1	1	17,220	26,038	5,275	103	48,535
1996	1,473	1,974	457	4,845	3,561	-	12,310	0	0	0	4,655	13,885	-	18,540
1997	819	7,486	0	4,720	1,136	-	14,161	0	0	0	11,481	4,343	-	15,824
1998	5,189	4,442	47	3,860	1,148	-	14,686	0	0	74	3,855	4,225	-	8,154
1999	2,536	15,666	1,530	4,101	3,619	-	27,452	0	0	0	13,151	20,213	-	33,364
2000	2,885	3,052	196	1,505	0	-	7,638	0	1	0	22,174	0	-	22,175
2001	2,278	13,705	6,561	2,988	3,311	-	28,843	0	12	8,510	27,984	22,089	-	58,595
2002	5,364	11,206	12,079	8,074	3,123	30	39,846	1	1	3,449	4,929	9,042	80	17,422
2003	2,856	13,039	12,935	5,232	1,110	35	35,172	3	0	4,449	4,276	2,214	85	10,942
2004	9,947	16,977	10,765	6,960	5,086	25	49,735	3	3	16,133	36,684	9,274	100	62,097
2005	6,858	18,374	4,971	8,100	3,672	0	41,975	3	1	3,756	15,949	4,288	0	23,997
2006	2,821	8,341	7,736	6,690	4,957	15	30,545	16	102	10,475	10,634	10,711	5	31,938
2007[b/]	316	14,667	3,354	4,663	70	0	23,070	0	12	23,279	16,915	860	0	41,066
2008[b/]	343	8,863	2,119	6,177	3,574	1	21,076	0	18	874	3,708	9,819	0	14,419

TABLE A-25. U.S./Canada border to Cape Falcon ocean troll Chinook and coho landings in number of fish by catch area and month.[a/] (Page 4 of 4)

Year or Avg.	May	June	July	Aug.	Sept.	Oct.	Season	May	June	July	Aug.	Sept.	Oct.	Season
				CHINOOK							**COHO**			
U.S./Canada Border to Cape Falcon - Total Treaty Indian and Non-Indian[c/]														
1976-1980	55,596	37,016	60,359	39,473	13,530	588	206,551	742	64,715	401,834	216,868	83,933	1,511	769,591
1981-1985	38,547	5,395	25,025	6,782	1,131	201	76,882	283	7,435	139,943	71,509	19,889	54	239,059
1986-1990	38,747	15,749	11,001	7,570	1,931	26	75,011	3	4,256	43,336	88,600	18,777	68	155,033
1991-1995	14,736	11,511	5,136	5,472	1,059	29	37,914	1	1	20,432	44,516	11,795	103	76,744
1996	1,473	1,974	457	4,845	3,561	-	12,310	0	0	7,137	15,044	13,885	-	36,066
1997	5,358	9,393	0	4,720	1,136	-	20,607	0	0	0	11,481	4,343	-	15,824
1998	10,936	4,624	47	3,860	1,148	-	20,615	0	0	74	3,855	4,225	-	8,154
1999	6,727	22,756	5,560	6,261	3,619	-	44,923	0	0	673	15,991	20,550	-	37,214
2000	9,428	5,715	196	4,721	92	-	20,152	0	1	0	38,607	1,092	-	39,700
2001	10,268	22,606	12,537	4,735	4,017	-	54,163	0	12	14,531	34,024	27,473	-	76,040
2002	24,600	25,444	32,446	20,849	3,123	30	106,462	1	1	3,449	6,624	9,042	80	19,117
2003	26,493	23,128	29,103	20,048	2,986	35	101,758	3	0	9,618	12,200	4,519	85	26,340
2004	27,141	18,228	19,109	16,275	7,472	25	88,225	3	3	19,081	43,044	22,098	100	84,229
2005	30,525	21,813	11,609	19,507	3,672	0	87,126	3	1	4,280	19,485	4,288	0	28,057
2006	16,469	15,421	8,810	10,210	6,893	15	57,803	16	102	10,614	12,661	11,224	5	34,617
2007[b/]	6,959	19,135	6,971	5,597	119	0	38,781	0	34	26,601	30,693	1,177	0	58,505
2008[b/]	4,771	15,549	3,426	7,498	3,856	1	35,100	0	18	1,278	4,990	10,217	0	16,503

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Preliminary.

c/ Season totals do not include January-April, October, or November-December treaty troll catches.

TABLE A-26. U.S./Canada border to Cape Falcon ocean troll pink salmon landings in numbers of fish by catch area and month (odd-year averages).[a/] (Page 1 of 2)

Year or Avg.	May	June	July	Aug.	Sept.	Oct.	Season
U.S./Canada Border to Leadbetter Pt. - Non-Indian							
1976-1980	565	444	94,872	308,655	4,747	-	409,282
1981-1985	230	33	50,591	86,991	415	-	138,123
1986-1990	115	182	2,642	36,286	-	-	19,670
1991-1995	10	9	88	25,340	390	-	25,772
1997	2	3	-	-	-	-	5
1999	0	1	31	21	0	-	53
2001	1	9	20	0	0	-	30
2003	0	0	142	63	10	-	215
2005	4	0	2	2	-	-	8
2007	0	0	0	0	0	-	0
U.S./Canada Border to Leadbetter Pt. - Treaty Indian[c/]							
1976-1980	49	1,550	1,053	3,019	21	0	5,691
1981-1985	32	214	2,208	7,806	320	0	10,580
1986-1990	5	10	8,991	4,254	591	0	13,851
1991-1995	0	1	499	5,519	261	0	6,280
1997	0	0	0	1,757	53	-	1,810
1999	0	0	0	1,388	108	-	1,496
2001	11	0	696	1,537	207	-	2,451
2003	0	0	172	41	23	0	236
2005	0	0	186	198	3	0	387
2007[b/]	0	7	326	251	0	0	584
U.S./Canada Border to Leadbetter Pt. - Total[c/]							
1976-1980	614	1,993	95,925	311,674	4,768	0	414,973
1981-1985	262	247	52,799	94,798	597	0	148,703
1986-1990	120	101	10,312	22,397	591	0	33,520
1991-1995	7	7	528	30,859	651	0	32,052
1997	2	3	0	1,757	53	-	1,815
1999	0	1	31	1,409	108	-	1,549
2001	12	9	716	1,537	207	-	2,481
2003	0	0	314	104	33	0	451
2005	4	0	188	200	3	0	395
2007[b/]	0	7	326	251	0	0	584
Leadbetter Pt. to Cape Falcon - Non-Indian							
1976-1980	5	36	3,110	3,798	1,052	-	8,000
1981-1985	5	4	842	2,327	0	0	3,178
1986-1990	0	0	109	1	1	0	111
1991-1995	0	0	0	55	0	-	55
1997	0	0	0	0	0	-	0
1999	0	0	0	0	0	-	0
2001	195	50	50	51	0	-	346
2003	0	2	43	16	0	-	61
2005	0	0	1	1	1	-	3
2007	65	0	4	11	0	-	80

TABLE A-26. U.S./Canada border to Cape Falcon ocean troll pink salmon landings in numbers of fish by catch area and month (odd-year averages).[a/] (Page 2 of 2)

Year or Avg.	May	June	July	Aug.	Sept.	Oct.	Season
U.S./Canada Border to Cape Falcon - Non-Indian							
1976-1980	570	479	97,982	312,453	5,799	-	417,282
1981-1985	235	37	51,434	89,318	277	-	141,301
1986-1990	115	91	1,430	18,144	1	-	19,781
1991-1995	7	6	29	25,395	390	-	25,827
1997	2	3	0	0	0	-	5
1999	0	1	31	21	0	-	53
2001	196	59	70	51	0	-	376
2003	0	2	185	79	10	-	276
2005	4	0	3	3	1	-	11
2007	65	0	4	11	0	-	80
U.S./Canada Border to Cape Falcon - Treaty Indian[c/]							
1976-1980	49	1,550	1,053	3,019	21	0	5,691
1981-1985	32	214	2,208	7,806	320	0	10,580
1986-1990	5	10	8,991	4,254	591	0	13,851
1991-1995	0	1	499	5,519	261	0	6,280
1991	0	2	1,148	3,356	0	0	4,506
1993	0	0	349	2,261	783	0	3,393
1995	0	0	0	10,940	0	0	10,940
1997	0	0	0	1,757	53	-	1,810
1999	0	0	0	1,388	108	-	1,496
2001	11	0	696	1,537	207	-	2,451
2003	0	0	172	41	23	0	236
2005	0	0	186	198	3	0	387
2007[b/]	0	7	326	251	0	0	584
U.S./Canada Border to Cape Falcon - Total[c/]							
1976-1980	619	2,029	99,035	315,472	5,820	0	422,973
1981-1985	267	251	53,641	97,124	597	0	151,881
1986-1990	120	101	10,421	22,398	592	0	33,631
1991-1995	7	7	528	30,914	651	0	32,107
1997	2	3	0	1,757	53	-	1,815
1999	0	1	31	1,409	108	-	1,549
2001	207	59	766	1,588	207	-	2,827
2003	0	2	357	120	33	0	512
2005	4	0	189	201	4	0	398
2007[b/]	65	7	330	262	0	0	664

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Preliminary.

c/ Season totals do not include October treaty troll catches.

TABLE A-27. U.S./Canada border to Cape Falcon ocean recreational fishing effort in salmon angler trips by area and month.[a/]

Year or Avg.	Apr.	May	June	July	Aug.	Sept.	Oct.	Season[b/]
U.S./Canada Border to Leadbetter Pt.[c/]								
1976-1980	3,118	13,778	42,809	87,445	95,907	33,240	3,554	279,228
1981-1985	80	3,331	16,943	44,629	38,938	5,555	196	109,593
1986-1990	-	1,190	4,199	45,977	23,931	4,377	40	78,144
1991-1995	-	1,258	4,959	31,219	25,149	9,425	714	67,841
1996	-	-	-	4,458	20,205	2,994	-	27,657
1997	-	-	-	11,794	10,044	1,171	-	23,009
1998	-	-	-	-	14,013	943	-	14,956
1999	-	-	-	8,875	14,607	6,616	-	30,098
2000	-	-	-	18,556	12,960	1,646	-	33,162
2001	-	-	-	37,754	23,732	9,291	239	71,016
2002	-	2,496	13,613	21,404	19,160	1,719	113	58,505
2003	-	-	5,894	32,630	27,968	6,247	128	72,867
2004	-	-	2,013	31,942	26,905	8,013	20	68,893
2005	-	-	1,119	25,889	22,504	8,870	160	58,541
2006	-	-	1,119	16,486	20,679	3,551	258	42,093
2007	-	-	-	17,482	21,514	3,555	0	42,551
2008[d/]	-	-	4,007	11,392	9,171	2,564	38	27,171
Leadbetter Pt. to Cape Falcon								
1976-1980	609	5,560	29,391	59,424	87,656	27,001	2,407	211,327
1981-1985	-	1,165	10,828	35,085	31,281	4,835	721	79,973
1986-1990	-	444	2,751	28,624	27,098	2,493	-	59,008
1991-1995	-	-	2,408	23,781	18,461	9,495	-	52,941
1996	-	-	-	4,215	12,527	4,485	-	21,227
1997	-	-	-	7,328	2,964	-	-	10,292
1998	-	-	-	-	6,107	704	-	6,811
1999	-	-	-	6,546	14,786	6,761	-	28,093
2000	-	-	-	10,836	13,364	-	-	24,200
2001	-	-	-	29,087	38,189	11,351	-	78,627
2002	-	370	1,662	12,993	24,510	9,172	6	48,713
2003	-	-	606	20,308	42,124	8,188	-	71,226
2004	-	-	853	16,101	35,006	10,444	-	62,404
2005	-	-	-	8,316	27,084	9,916	-	45,316
2006	-	-	-	7,451	21,249	2,712	-	31,412
2007	-	-	-	10,034	29,199	3,284	-	42,518
2008[d/]	-	66	1,275	6,381	6,371	-	-	14,093
U.S./Canada Border to Cape Falcon[b/]								
1976-1980	3,574	19,337	72,200	146,869	183,563	60,241	5,480	490,555
1981-1985	80	4,263	25,606	79,714	70,218	9,423	436	189,565
1986-1990	-	1,412	6,950	74,600	51,029	5,374	40	137,152
1991-1995	-	1,258	4,888	55,000	43,610	18,921	714	120,782
1996	-	-	-	8,673	32,732	7,479	-	48,884
1997	-	-	-	19,122	13,008	1,171	-	33,301
1998	-	-	-	-	20,120	1,647	-	21,767
1999	-	-	-	15,421	29,393	13,377	-	58,191
2000	-	-	-	29,392	26,324	1,646	-	57,362
2001	-	-	-	66,841	61,921	20,642	239	149,643
2002	-	2,866	15,275	34,397	43,670	10,891	119	107,218
2003	-	-	6,500	52,938	70,092	14,435	128	144,093
2004	-	-	2,866	48,043	61,911	18,457	20	131,297
2005	-	-	1,119	34,205	49,588	18,786	160	103,857
2006	-	-	1,119	23,937	41,928	6,263	258	73,505
2007	-	-	-	27,516	50,714	6,840	0	85,069
2008[d/]	-	66	5,282	17,773	15,542	2,564	38	41,264

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Includes minor effort from November in some years.

c/ Includes catch from the Washington State waters Area 4B fishery in 1991, 1992, 1993, 1996, 1997, 1998, 2000, and 2008.

d/ Preliminary.

TABLE A-28. U.S./Canada border to Cape Falcon ocean recreational Chinook and coho salmon landings in numbers of fish by area and month.[a/] (Page 1 of 2)

Year or Avg.	April	May	June	July	Aug.	Sept.	Oct.	Season	April	May	June	July	Aug.	Sept.	Oct.	Season
				CHINOOK								**COHO**				
U.S./Canada Border to Leadbetter Pt.[b/]																
1976-1980	2,202	6,285	22,116	21,405	18,586	6,528	1,103	77,123	304	13,182	48,841	109,426	98,977	32,774	2,097	305,540
1981-1985	57	1,982	13,193	18,822	8,162	505	26	42,631	80	1,157	12,324	37,404	42,235	6,211	161	96,516
1986-1990	-	790	1,653	13,191	5,373	1,161	-	20,741	-	19	2,439	58,151	35,746	6,320	45	102,190
1991-1995	-	148	1,911	4,305	3,020	1,549	215	9,479	-	40	6,781	37,985	33,461	9,902	324	83,144
1996	-	-	-	8	65	12	-	85	-	-	-	5,975	22,332	5,338	-	33,645
1997	-	-	-	1,738	1,571	315	-	3,624	-	-	-	7,043	8,239	424	-	15,706
1998	-	-	-	-	1,645	228	-	1,873	-	-	-	-	15,267	1,066	-	16,333
1999	-	-	-	2,667	3,591	1,311	-	7,569	-	-	-	6,177	11,545	2,820	-	20,542
2000	-	-	-	4,572	2,358	-	-	6,930	-	-	-	23,122	17,161	2,067	-	42,350
2001	-	-	-	13,632	3,224	896	100	17,852	-	-	-	42,997	33,408	14,163	15	90,583
2002	-	2,554	15,225	21,984	9,884	99	43	49,789	-	5	271	10,327	17,191	1,331	4	29,129
2003	-	-	2,689	12,959	10,752	1,937	62	28,399	-	-	3,635	25,550	27,566	5,660	12	62,423
2004	-	-	527	9,057	6,977	2,124	6	18,685	-	-	1,581	22,685	27,588	10,042	3	61,899
2005	-	-	364	8,104	13,189	5,107	43	26,808	-	-	126	10,446	8,684	3,772	18	23,046
2006	-	-	202	3,274	4,522	813	91	8,902	-	-	416	6,514	8,287	1,466	2	16,686
2007	-	-	-	3,804	3,138	371	0	7,313	-	-	-	13,028	20,920	2,421	0	36,369
2008[c/]	-	-	2,537	5,428	3,352	414	6	11,737	-	-	30	3,332	5,115	1,752	1	10,230
Leadbetter Pt. to Cape Falcon																
1976-1980	191	2,352	12,353	11,569	23,764	3,751	246	54,102	493	6,524	53,314	89,865	86,917	31,024	2,463	269,812
1981-1985	-	221	4,286	6,972	6,406	672	40	17,395	-	7,109	14,759	52,828	37,648	7,241	825	109,663
1986-1990	-	140	360	2,747	4,469	120	-	7,580	-	-	4,463	48,084	38,613	2,767	-	91,374
1991-1995	-	-	126	928	1,038	257	-	2,286	-	-	3,938	36,431	24,351	9,127	-	57,502
1996	-	-	-	27	53	40	-	120	-	-	-	6,094	14,945	3,784	-	24,823
1997	-	-	-	288	240	-	-	528	-	-	-	11,792	5,071	-	-	16,863
1998	-	-	-	-	366	53	-	419	-	-	-	-	6,046	498	-	6,544
1999	-	-	-	714	2,129	409	-	3,252	-	-	-	7,636	12,845	6,646	-	27,127
2000	-	-	-	1,183	1,129	-	-	2,312	-	-	-	18,206	21,369	-	-	39,575
2001	-	-	-	3,253	3,778	709	-	7,740	-	-	-	45,862	56,349	14,457	-	116,668
2002	-	86	2,274	4,920	3,398	105	3	10,786	-	-	30	14,568	32,527	12,283	-	59,408
2003	-	-	52	2,044	5,220	798	-	8,114	-	-	655	32,596	63,648	9,545	-	106,444
2004	-	-	47	1,068	5,465	1,825	-	8,405	-	-	1,303	23,786	40,641	7,805	-	73,535
2005	-	-	-	1,655	9,639	1,902	-	13,196	-	-	-	9,165	23,403	6,122	-	38,690
2006	-	-	-	559	1,518	198	-	2,274	-	-	-	8,149	15,782	881	-	24,812
2007	-	-	-	373	1,682	170	-	2,225	-	-	-	15,982	46,366	3,467	-	65,816
2008[c/]	-	17	626	1,509	1,563	-	-	3,715	-	-	431	4,445	5,955	-	-	10,831

TABLE A-28. U.S./Canada border to Cape Falcon ocean recreational Chinook and coho salmon landings in numbers of fish by area and month.[a/] (Page 2 of 2)

Year or Avg.	April	May	June	July	Aug.	Sept.	Oct.	Season	April	May	June	July	Aug.	Sept.	Oct.	Season
				CHINOOK								**COHO**				
U.S./Canada Border to Cape Falcon[b/]																
1976-1980	1,794	8,638	34,469	32,974	42,350	10,279	1,348	131,225	551	19,705	102,155	199,291	185,895	63,798	4,067	575,352
1981-1985	57	2,159	16,622	25,794	14,568	1,009	46	60,026	80	3,527	27,083	90,232	79,883	12,003	436	206,178
1986-1990	-	930	2,014	15,938	9,841	1,241	-	28,321	-	19	6,902	106,235	74,359	7,427	45	193,564
1991-1995	-	148	1,082	5,233	4,058	1,806	215	11,765	-	40	7,328	74,416	57,812	19,029	324	124,017
1996	-	-	-	35	118	52	-	205	-	-	-	12,069	37,277	9,122	-	58,468
1997	-	-	-	2,026	1,811	315	-	4,152	-	-	-	18,835	13,310	424	-	32,569
1998	-	-	-	-	2,011	281	-	2,292	-	-	-	-	21,313	1,564	-	22,877
1999	-	-	-	3,381	5,720	1,720	-	10,821	-	-	-	13,813	24,390	9,466	-	47,669
2000	-	-	-	5,755	3,487	-	-	9,242	-	-	-	41,328	38,530	2,067	-	81,925
2001	-	-	-	16,885	7,002	1,605	100	25,592	-	-	-	88,859	89,757	28,620	15	207,251
2002	-	2,640	17,499	26,904	13,282	204	46	60,575	-	5	301	24,895	49,718	13,614	4	88,537
2003	-	-	2,741	15,003	15,972	2,735	62	36,513	-	-	4,290	58,146	91,214	15,205	12	168,867
2004	-	-	574	10,125	12,442	3,949	6	27,090	-	-	2,884	46,471	68,229	17,847	3	135,434
2005	-	-	364	9,759	22,828	7,009	43	40,004	-	-	126	19,611	32,087	9,894	18	61,736
2006	-	-	202	3,832	6,040	1,011	91	11,176	-	-	416	14,663	24,069	2,347	2	41,498
2007	-	-	-	4,178	4,819	541	0	9,538	-	-	-	29,010	67,286	5,888	0	102,185
2008[c/]	-	17	3,163	6,937	4,916	414	6	15,452	-	-	461	7,777	11,070	1,752	1	21,061

a/ Monthly totals for Oregon data are the sum of statistical weeks with closest fit to the calendar month. Washington data are summarized by statistical month.

b/ Includes catch from the Washington State waters Area 4B fishery in 1991, 1992, 1993, 1996, 1997, 1998, 2000, and 2008.

c/ Preliminary.

APPENDIX B
HISTORICAL RECORD OF ESCAPEMENTS TO INLAND FISHERIES AND SPAWNING AREAS

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TABLE B-1. California Central Valley natural area fall Chinook salmon spawning escapements in numbers of fish.[a/]

Year or Average	Upper Sacramento River[b/c/]		Lower Sacramento River: Feather River		Lower Sacramento River: Yuba River		Lower Sacramento River: American River[d/]		Lower Sacramento River: Total		Sacramento River Totals		San Joaquin River Totals		Central Valley	
	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1971-1975	58,462	18,289	40,221	9,745	10,877	1,615	41,726	3,695	92,824	15,055	151,286	33,345	13,462	1,345	164,748	34,690
1976-1980	67,012	17,905	33,954	3,544	7,387	1,563	28,509	1,344	69,850	6,452	136,862	24,356	2,886	763	139,747	25,120
1981-1985	57,913	22,432	36,252	5,243	12,825	5,146	32,332	4,954	81,409	15,343	139,322	37,775	34,930	10,721	174,252	48,496
1986-1990	87,396	17,244	38,709	6,426	9,261	2,444	24,420	3,323	72,390	12,193	159,787	29,437	10,853	4,377	170,640	33,815
1991-1995	59,823	11,372	32,578	4,355	8,309	2,131	28,549	4,151	69,436	10,637	129,259	22,009	2,626	904	131,885	22,913
1996	131,268	11,649	44,593	12,577	23,492	4,408	67,719	7,026	135,803	24,012	267,071	35,661	5,766	5,979	272,837	41,640
1997	167,353	13,736	47,009	3,538	19,202	6,746	46,036	6,159	112,246	16,444	279,599	30,180	17,983	1,146	297,583	31,325
1998	60,713	5,137	39,600 [e/]	3,400	26,737	4,353	41,094	13,698	107,431	21,451	168,144	26,588	13,119	6,292	181,263	32,880
1999	256,629	7,495	30,000 [e/]	7,500	18,778	5,452	48,311	8,688	97,089	21,640	353,718	29,135	10,708	7,185	364,426	36,320
2000	152,923	3,900	109,924	7,017	12,954	2,041	93,413	5,646	216,291	14,704	369,214	18,604	36,896	2,578	406,110	21,182
2001	179,198	11,853	169,588	9,114	21,567	1,825	167,062	13,553	358,217	24,492	537,415	36,345	23,899	3,705	561,314	40,050
2002	474,812 [f/]	11,259	93,766	11,397	18,406	4,796	95,711	10,635	207,883	26,828	682,695	38,087	21,852	3,788	704,546	41,875
2003	164,802	4,402	85,578	4,369	26,820	1,489	136,238	9,627	248,636	15,485	413,438	19,887	14,519	2,164	427,957	22,051
2004	70,548	7,220	48,580	5,591	9,260	5,208	75,090	13,774	132,930	24,573	203,478	31,793	7,250	3,310	210,728	35,103
2005	96,716	3,267	43,738	4,848	16,251	987	54,001	2,842	113,990	8,677	210,706	11,944	15,843	1,577	226,549	13,521
2006	85,946	2,731	73,585	1,845	7,998	233	21,755	1,145	103,338	3,223	189,284	5,954	5,691	692	194,975	6,646
2007	32,645	978	21,541	321	2,523	81	9,855	130	33,919	532	66,564	1,510	1,521	164	68,085	1,674
2008[g/]	35,786	2,013	7,894	314	3,146	467	1,714	170	12,754	951	48,540	2,964	2,123	343	50,663	3,307

a/ Most estimates based on carcass surveys with a jack length cut-off. In 2004, CDFG reviewed and updated 1971-2003 escapement estimates to reflect final project reports.

b/ Upper Sacramento mainstem estimates generally based on carcass surveys with a jack length cut-off, however jack estimates from Red Bluff Diversion Dam (RBDD) have occasionally been used. Early (pre-2001) mainstem Sacramento River adult and jack estimates based on RBDD passage.

c/ Upper Sacramento River escapement 1990-2008 includes Sacramento River mainstem, Battle Creek, and Clear Creek; escapement from Mill, Deer, and Butte creeks are included when surveys were conducted. Specific escapement estimates by tributary can be found at www.calfish.org.

d/ Does not include Nimbus Weir counts.

e/ Survey methodology was variable; may not be comparable to other surveys.

f/ Change in estimation methodology due to extremely high Battle Creek escapement.

g/ Preliminary.

TABLE B-2. California Central Valley hatchery fall Chinook salmon spawning escapements in numbers of fish.[a/]

Year or Average	Sacramento Hatcheries								San Joaquin Hatcheries						Central Valley Hatchery Totals	
	Coleman[b/]		Feather River		Nimbus		Totals		Mokelumne River		Merced River		Totals			
	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults[c/]	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1971-1975	1,373	1,167	3,882	1,387	7,791	1,311	13,661	4,065	305	156	460	19	765	175	14,427	4,240
1976-1980	4,239	1,292	4,261	1,043	7,238	1,990	17,198	4,760	271	59	346	23	617	82	17,814	4,842
1981-1985	11,557	3,734	6,845	884	10,072	2,257	29,832	7,689	759	734	797	449	1,556	1,183	31,388	8,872
1986-1990	11,507	2,288	5,837	1,947	5,685	1,349	23,028	5,584	278	286	299	140	577	426	23,605	6,010
1991-1995	11,948	2,295	10,537	2,762	6,414	1,447	28,899	6,505	1,077	554	239	233	1,316	788	30,215	7,292
1996	18,848	2,330	6,494	1,613	7,177	474	32,519	4,417	1,828	2,055	395	746	2,223	2,801	34,742	7,218
1997	44,590	6,080	13,358	1,770	5,328	322	63,276	8,172	6,305	189	838	108	7,143	297	70,419	8,469
1998	42,400	1,951	17,567	1,322	9,949	1,839	69,915	5,113	2,686	585	347	452	3,033	1,037	72,948	6,150
1999	23,194	3,776	12,822	1,104	6,207	3,553	42,224	8,432	1,611	1,542	650	987	2,261	2,529	44,484	10,962
2000	20,793	866	16,470	1,676	10,312	848	47,575	3,390	4,637	887	1,615	331	6,252	1,218	53,827	4,608
2001	23,710	988	24,001	871	9,688	1,956	57,399	3,815	4,467	1,427	1,137	523	5,604	1,950	63,003	5,765
2002	61,946	4,112	17,516	2,991	6,231	3,586	85,693	10,689	5,800	2,119	1,250	588	7,050	2,707	92,743	13,396
2003	82,708	5,555	13,615	1,352	11,875	3,012	108,198	9,919	5,108	3,009	392	157	5,500	3,166	113,698	13,085
2004	51,557	16,672	15,769	5,535	12,741	13,659	80,067	35,866	5,477	4,879	456	594	5,933	5,473	86,000	41,339
2005	142,135	2,604	20,597	1,787	20,569	1,780	183,301	6,171	5,035	528	346	75	5,381	603	188,682	6,774
2006	56,966	1,056	13,400	634	8,322	406	78,688	2,096	2,801	1,338	136	15	2,937	1,353	81,625	3,449
2007	11,558	220	5,169	172	4,590	7	21,317	399	1,004	40	70	9	1,074	49	22,391	448
2008[d/]	10,173	462	4,715	287	2,836	348	17,724	1,097	116	123	28	34	144	157	17,868	1,254
GOALS[e/]	12,000	-	6,000	-	4,000	-	22,000	-	5,000	-	1,000	-	6,000	-	26,000	-

a/ In 2004, CDFG reviewed and updated 1971-2003 adult and jack spawner escapements based on final project reports.

b/ Chinook spawning during the fall; may include spring run fish.

c/ Total adults in Sacramento Hatcheries include Tehama-Colusa Fish Facility escapements, 1971-1985.

d/ Preliminary.

e/ Current hatchery-specific goals, not PFMC goals.

TABLE B-3. Sacramento River late-fall, winter, and spring Chinook salmon spawning escapement estimates in numbers of fish.

Year or Average	Upper Sacramento River										
	Late Fall[a/b/c/]		Winter[d/]				Spring				
			RBDD[a/c/]		Carcass Survey		Tributary[e/]	Sacramento River[a/f/]		Feather River[g/]	
	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults and Jacks[h/]	Adults	Jacks	Adults	Jacks
1971-1975	18,193	1,087	22,863	9,063	--	--	5,194	5,098	1,718	366	-
1976-1980	9,662	1,798	13,499	2,640	--	--	1,201	8,335	2,571	375	-
1981-1985	8,102	1,746	5,027	921	--	--	1,061	9,798	4,241	1,446	133
1986-1990	10,047	1,761	1,369	390	--	--	1,658	8,795	1,930	2,884	406
1991-1995	3,844 [i/]	383 [i/]	586	78	--	--	2,813	410	165	3,441	465
1996	1,003 [i/]	382 [i/]	708	629	--	--	2,322	314	64	5,571	810
1997	4,166 [i/]	412 [i/]	528	352	--	--	1,303	36	90	2,970	683
1998	40,185	5,055	2,079	923	--	--	23,609	624	491	6,240	506
1999	24,475	3,986	822	2,466	--	--	6,104	142	117	3,530	201
2000	11,060	3,507	563	789	--	--	5,504	94	38	3,657	315
2001	23,956	998	1,696	3,827	7,443	781	21,623 [j/]	981	0 [h/]	4,052	83
2002	39,700	401	7,614	1,555	7,047	417	20,198 [j/]	430	53	3,982	207
2003	9,295	191	6,172	3,585	7,675	543	21,798 [j/]	0	0	8,373	389
2004	13,552	370	2,588	4,604	5,786	2,083	12,556 [j/]	763	326	3,630	572
2005	14,437	2,598	3,521	1,778	14,683	1,156	21,319 [j/]	21	9	1,811 [k/]	24 [k/]
2006	14,950	330	4,792	2,623	16,926	378	10,669 [j/]	0	0	2,052 [k/]	9 [k/]
2007	17,840	748	3,004	3,140	2,402	131	8,951 [j/]	226	22	2,669 [k/]	5 [k/]
2008[l/]	9,824	362	1,504	2,131	2,626	224	11,943 [j/]	0	0	1,372 [k/]	46 [k/]

a/ Estimated number of jacks and adults based on sampling at Red Bluff Diversion Dam (RBDD) from unpublished CDFG data. Beginning in 1987 for late-fall and winter runs, estimates have been based on historical run patterns and partial counts at RBDD due to raising of dam gates during the last part of the late-fall run and first part of the winter run.

b/ Since 1998, late-fall adult and jack estimates are based on carcass counts of natural spawners plus fish spawned at Coleman Hatchery.

c/ Variable numbers of late-fall and winter run are trapped at Keswick Dam and spawned at Coleman or Livingston Stone Hatcheries.

d/ RBDD and carcass survey estimates represent alternative methods for determining winter run Chinook escapement.

e/ Natural spawning spring run which are isolated from fall run; primarily Mill Creek, Deer Creek, and Butte Creek escapement.

f/ Sacramento River spring run estimates are the total RBDD counts minus the spring run numbers in the upper Sacramento tributaries. If this number is less than or equal to zero, then upper Sacramento River spring run estimates are zero.

g/ Feather River spring run estimates are primarily fish returning to Feather River Hatchery. Spring run are not distinguished from fall run in the natural spawning surveys and are reported in the fall run natural escapement numbers.

h/ Jack proportion could not be determined.

i/ Primarily number of fish spawned at Coleman Hatchery 1991-1997. No data are available for natural spawners, as RBDD gates were raised during the time coinciding with the late-fall run.

j/ Methodology change from using snorkel survey to carcass survey for Butte Creek spring run estimates.

k/ Methodology change for distinguishing spring run Chinook at Feather River Hatchery was implemented in 2005. Fish arriving at the hatchery prior to the spring Chinook spawning period were tagged and returned to the river. The spring Chinook escapement estimate is the number of these tagged fish that subsequently returned to the hatchery during the spring Chinook spawning period.

l/ Preliminary.

TABLE B-4. Summary of Klamath River fall Chinook salmon estimates in numbers of adults and jacks.

Year or Average	Category	Total Inriver Run	Inriver Harvest			Nonlanded Fishery Mortality	Spawning Escapement								
							Klamath River			Trinity River			Total		
			Indian	Sport	Total		Hatchery	Natural	Total	Hatchery	Natural	Total	Hatchery	Natural	Total
1978-1980	Adults	63,306	14,621	2,777	17,398	1,329	3,886	21,277	25,163	3,823	15,593	19,416	7,709	36,871	44,579
	Jacks	23,731	1,379	3,385	4,764	189	544	8,224	8,768	1,515	8,495	10,010	2,059	16,719	18,778
1981-1985	Adults	63,230	17,128	5,096	22,224	1,593	8,812	16,313	25,125	2,934	11,354	14,288	11,746	27,667	39,413
	Jacks	29,811	1,287	6,447	7,734	243	1,162	6,227	7,389	4,888	9,556	14,444	6,050	15,783	21,833
1986-1990	Adults	151,203	36,669	15,145	51,814	3,498	13,194	21,543	34,737	11,912	49,242	61,154	25,106	70,785	95,891
	Jacks	20,227	446	4,924	5,370	139	1,009	3,460	4,469	2,285	7,964	10,248	3,294	11,423	14,718
1991-1995	Adults	80,666	10,574	3,094	13,668	983	12,980	26,594	39,574	5,104	21,339	26,442	18,084	47,932	66,016
	Jacks	12,038	291	2,741	3,032	81	1,140	3,216	4,356	1,134	3,435	4,569	2,274	6,651	8,925
1996	Adults	175,773	56,476	12,766	69,242	5,172	13,622	38,680	52,302	6,411	42,646	49,057	20,033	81,326	101,359
	Jacks	9,532	190	2,312	2,502	64	543	1,696	2,239	249	4,478	4,727	792	6,174	6,966
1997	Adults	83,736	12,087	5,676	17,763	1,167	13,275	34,637	47,912	5,387	11,507	16,894	18,662	46,144	64,806
	Jacks	7,993	35	2,409	2,444	52	452	1,380	1,832	820	2,845	3,665	1,272	4,225	5,497
1998	Adults	90,647	10,187	7,710	17,897	1,043	14,923	18,028	32,951	14,296	24,460	38,756	29,219	42,488	71,707
	Jacks	4,639	53	1,108	1,161	28	403	881	1,284	192	1,974	2,166	595	2,855	3,450
1999	Adults	51,048	14,660	2,282	16,942	1,322	9,290	11,660	20,950	5,037	6,797	11,834	14,327	18,457	32,784
	Jacks	19,248	271	1,616	1,887	57	4,830	6,293	11,123	2,027	4,154	6,181	6,857	10,447	17,304
2000	Adults	218,077	29,415	5,650	35,065	2,673	71,635	58,388	130,023	25,976	24,340	50,316	97,611	82,728	180,339
	Jacks	10,246	303	1,582	1,885	58	839	2,891	3,730	1,070	3,503	4,573	1,909	6,394	8,303
2001	Adults	187,333	38,645	12,134	50,779	3,608	37,204	40,944	78,148	17,908	36,890	54,798	55,112	77,834	132,946
	Jacks	11,343	399	1,500	1,899	66	1,364	6,378	7,742	267	1,369	1,636	1,631	7,747	9,378
2002	Adults	160,788 [a/]	24,574	10,495	35,069	2,351	23,667	54,225	77,892	3,516	11,410	14,926	27,183	65,635	92,818
	Jacks	9,226	126	870	996	29	1,294	1,529	2,823	1,037	2,338	3,375	2,331	3,867	6,198
2003	Adults	191,949	30,034	9,680	39,714	2,810	31,970	55,423	87,393	29,812	32,219	62,031	61,782	87,642	149,424
	Jacks	3,845	44	814	858	21	290	848	1,138	574	1,254	1,828	864	2,102	2,966
2004	Adults	78,943	25,803	4,003	29,806	2,325	10,582	10,711	21,293	12,399	13,120	25,519	22,982	23,831	46,813
	Jacks	9,646	168	2,741	2,909	71	937	846	1,783	1,044	3,839	4,883	1,980	4,685	6,665
2005	Adults	65,227	8,016	1,985	10,001	738	13,955	13,554	27,509	13,744	13,235	26,979	27,699	26,789	54,488
	Jacks	2,296	70	1,030	1,100	27	42	398	440	59	670	729	101	1,068	1,169
2006	Adults	61,374	10,283	62	10,345	1,344	11,604	14,264	25,868	7,918	15,899	23,817	19,522	30,163	49,685
	Jacks	26,935	415	5,527	5,942	149	2,386	6,516	8,902	4,076	7,866	11,942	6,462	14,382	20,844
2007	Adults	132,131	27,573	6,312	33,885	2,526	16,969	21,292	38,261	18,081	39,378	57,459	35,050	60,670	95,720
	Jacks	1,684	21	369	390	10	180	232	412	33	839	872	213	1,071	1,284
2008[b/]	Adults	70,572	22,259	1,863	24,122	1,973	9,101	19,020	28,121	4,451	11,905	16,356	13,552	30,925	44,477
	Jacks	25,338	641	4,253	4,894	143	2,130	9,425	11,555	800	7,946	8,746	2,930	17,371	20,301
GOAL	Adults													≥35,000[c/]	

a/ Total inriver run includes an estimated 30,550 fish that died prior to spawning in September 2002.

b/ Preliminary.

c/ In 2008, fisheries were managed for a natural area spawning escapement of 40,700 adults.

TABLE B-5. Estimates of Yurok and Hoopa Valley reservation Indian gillnet Chinook harvest in numbers of fish.

		Spring Run			Fall Run		
Year	Area	Jack	Adult	Total	Jack	Adult	Total
2002	Commercial:Estuary	7	1,852	1,859	7	8,952	8,959
	Upper Klamath	-	-	-	-	-	-
	Subsistence:Estuary	25	6,551	6,576	10	11,197	11,207
	Middle Klamath	70	1,310	1,380	10	729	739
	Upper Klamath	24	2,205	2,229	31	2,528	2,559
	Trinity River	40	3,052	3,062	68	1,168	1,236
	Total	166	14,970	15,136	126	24,574	24,700
2003	Commercial:Estuary	4	779	783	11	17,084	17,095
	Upper Klamath	0	0	0	0	0	0
	Subsistence:Estuary	10	1,800	1,810	4	5,604	5,608
	Middle Klamath	0	2,355	2,355	5	1,376	1,381
	Upper Klamath	0	1,730	1,730	12	3,199	3,211
	Trinity River	7	2,380	2,387	12	2,771	2,783
	Total	21	9,044	9,065	44	30,034	30,078
2004	Commercial:Estuary	2	408	410	13	14,251	14,264
	Upper Klamath	0	0	0	13	540	554
	Subsistence:Estuary	10	2,178	2,188	62	6,787	6,848
	Middle Klamath	6	2,346	2,352	14	577	591
	Upper Klamath	11	1,715	1,726	46	1,959	2,005
	Trinity River	62	1,944	2,006	20	1,689	1,709
	Total	91	8,591	8,682	168	25,083	25,971
2005	Commercial:Estuary	0	0	0	0	0	0
	Upper Klamath	0	0	0	0	0	0
	Subsistence:Estuary	0	477	477	21	2,293	2,314
	Middle Klamath	0	518	518	5	464	469
	Upper Klamath	0	1,320	1,320	33	2,851	2,884
	Trinity River	17	1,858	1,858	11	2,409	2,420
	Total	33	7,286	7,302	70	8,017	8,087
2006	Commercial:Estuary	0	0	0	0	0	0
	Upper Klamath	0	0	0	0	0	0
	Subsistence:Estuary	8	302	310	30	2,726	2,756
	Middle Klamath	3	1,113	1,116	93	1,310	1,403
	Upper Klamath	36	1,257	1,293	147	2,086	2,233
	Trinity River	58	1,632	1,690	145	4,161	4,306
	Total	105	4,304	4,409	415	10,283	10,698
2007	Commercial:Estuary	0	2,300	2,300	1	21,100	21,101
	Upper Klamath	0	0	0	0	0	0
	Subsistence:Estuary	0	1,363	1,363	15	2,375	2,390
	Middle Klamath	0	200	200	1	425	426
	Upper Klamath	0	631	631	4	1,375	1,379
	Trinity River	6	1,349	1,355	0	2,298	2,298
	Total	6	5,843	5,849	21	27,573	27,594
2008[a/]	Commercial:Estuary	0	323	323	201	11,804	12,005
	Upper Klamath	0	0	0	11	154	165
	Subsistence:Estuary	0	295	295	101	5,906	6,007
	Middle Klamath	0	722	722	62	870	932
	Upper Klamath	9	685	694	114	1,612	1,726
	Trinity River	77	1,328	1,405	152	1,914	2,066
	Total	86	3,353	3,439	641	22,260	22,901

a/ Preliminary.

TABLE B-6. Shasta, Scott, and Salmon rivers fall Chinook salmon spawning escapement estimates in numbers of fish.

	Shasta River[a/]		Scott River[b/c/]		Salmon River[b/]	
Year	Adults	Jacks	Adults	Jacks	Adults	Jacks
1931-1935[d/]	37,474	12,690	-	-	-	-
1936-1940	26,165	8,223	-	-	-	-
1941-1945	9,654	3,129	-	-	-	-
1946-1950	1,862	178	-	-	-	-
1951-1955	1,577	370	-	-	-	-
1956-1960	6,146	1,074	-	-	-	-
1961-1965	15,167	4,388	-	-	-	-
1966-1970	10,472	1,410	-	-	-	-
1971-1975	6,297	2,866	-	-	-	-
1976-1980[e/]	6,506	3,194	2,950	1,527	1,467	583
1981-1985[f/]	4,560	1,942	3,373	1,929	1,287	389
1986-1990[g/]	2,403	318	4,010	1,512	3,361	537
1991-1995	1,891	184	3,779	568	3,086	376
1991	716	10	2,019	146	1,337	143
1992	520	66	1,873	965	778	547
1993	1,341	85	5,035	265	3,077	456
1994	3,363	1,840	2,358	505	3,216	277
1995	12,816	695	11,198	3,279	4,140	1,335
1996	1,404	46	11,952	145	5,189	274
1997	1,667	334	8,284	277	5,783	217
1998	2,466	76	3,061	266	1,337	116
1999	1,296	1,901	3,021	563	670	110
2000	11,025	1,271	5,729	524	1,544	228
2001	8,452	2,641	5,398	744	2,607	743
2002	6,432	386	4,261	47	2,669	78
2003	4,134	155	11,988	65	3,302	73
2004	833	129	445	22	282	51
2005	2,018	37	698	58	401	105
2006	789	1,395	3,007	1,953	1,278	791
2007	2,009	27	4,494	11	1,377	55
2008[h/]	2,741	3,621	3,445	1,228	1,749	650

a/ From 1930-1937, 1957-1987 and 1991-1995, Shasta counts were made near the river mouth. From 1938-1955, they were made 6.5 miles upstream from the mouth; considerable spawning occurred downstream from the racks in these years. From 1988-1990, escapements were estimated from mark-recapture data (spawning surveys). 1991- 2008 estimates were generated from weir counts.

b/ In 1991, estimates were generated from weir counts. In 1992-2007, estimates were generated from carcass surveys. In 2008, estimates were generated from a combination of video weir counts and carcass surveys

c/ In 2005 and 2007, redd counts were used in lieu of carcass surveys.

d/ Commercial fishing in lower Klamath River closed by the state after the 1933 season.

e/ Gillnetting resumed in lower 20 miles of Klamath River by Hoopa Valley Indian Reservation fishers in 1976.

f/ Shasta adults include Includes 276 females taken to Iron Gate Hatchery in 1981.

g/ Low water conditions appeared to hinder entry into the Shasta River in 1988.

h/ Preliminary.

TABLE B-7. Summary of California North Coast salmon spawning stock surveys in numbers of fish or redd counts.

	Cañon Creek [a/b/c/] (Mad River)		Sprowl Creek [a/b/d/] (Eel River)		Tomki Creek[e/] (Eel River)	Russian [f/] River	Lagunitas [g/] Watershed
Year	Chinook	Coho	Chinook	Coho	Chinook	Chinook	Coho Redds
1978-1979	-	-	534	23	-	-	-
1979-1980	-	-	572	0	2,410	-	-
1980-1981	-	-	164	4	317	-	-
1981-1982	23	0	121	0	1,153	-	-
1982-1983	68	0	169	1	1,807	-	-
1983-1984	137	0	82	0	-	-	-
1984-1985[h/]	16	0	67	13	1,292	-	-
1985-1986	514	14	320	0	3,558	-	-
1986-1987[h/]	90	3	307	13	2,173	-	-
1987-1988	117	29	2,187	4	3,666	-	-
1988-1989	69	7	339	12	556	-	-
1989-1990[h/]	9	9	89	14	-	-	-
1990-1991	0	3	0	0	-	-	-
1991-1992[h/]	8	0	159	0	3	-	-
1992-1993[h/]	57	1	142	2	15	-	-
1993-1994	20	0	171	36	5	-	-
1994-1995	33	3	52	0	21	-	-
1995-1996[h/]	93	4	136	8	69	-	86
1996-1997	129	4	106	8	84	-	254
1997-1998	55	1	97	0	39	-	253
1998-1999	66	0	79	11	45	-	184
1999-2000[h/]	162	1	34	1	24	-	203
2000-2001[h/]	79	3	12	0	50	1,445	204
2001-2002	45	6	136	25	162 [i/]	1,383	286
2002-2003	402	1	267	17	5 [i/]	5,474	158
2003-2004[h/]	79	1	106	8	137 [i/]	6,103	383
2004-2005[h/]	86	0	199	36	115 [i/]	4,788	496
2005-2006	270	0	201	13	77 [i/]	2,572	190
2006-2007[j/]	152	2	37	9	20 [i/]	3,410	338
2007-2008[k/]	99	1	70	19	69 [i/]	1,963	148
2008-2009[l/]	3	0	0	0	17 [i/]	1,125	24[m/]

a/ Survey frequency variable from year to year (between 1 and 10 surveys annually).

b/ Numbers reflect maximum annual counts of live fish and carcasses with adults and jacks combined. Counts are not shown in years where visibility is too poor to conduct surveys.

c/ Survey area was from mouth to falls (2 miles).

d/ Survey area was the mainstem and West Fork (4.5 miles).

e/ Total run size estimate including jacks and adults.

f/ Video counts of combined adults and jacks made at Mirabel Dam. Image quality is affected by turbidity.

g/ Numbers reported are redd counts. Olema Creek is excluded.

h/ Low flows appeared to increase mainstem spawning and decrease tributary spawning for Cañon, Sprowl, and Tomki creeks.

i/ Survey methodology changed to using index sites and is not comparable to previous estimates.

j/ Cañon totals do not include 20 additional salmonids (species unknown) observed during poor visibility.

k/ Cañon totals do not include 25 additional salmonids (species unknown) observed during poor visibility. Sprowl totals do not include 60 additional salmonids (species unknown) observed during poor visibility.

l/ Preliminary data.

m/ Redd counts as of January 15, 2009

TABLE B-8. Peak spawning counts in index areas for selected south/local migrating Oregon coastal fall Chinook stocks.

	Deep Creek (Pistol River) (0.4 mile)		Big Emily Creek (Chetco River) (1.0 mile)		Bear Creek (Winchuck River) (0.8 mile)		Index (fish per mile)	
Year or Avg.	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1961-1965	6	1	-	-	22	1	-	-
1966-1970	31	3	-	-	36	2	-	-
1971-1975	5	0	211	12	25	2	130	7
1976-1980	2	1	124	32	18	1	65	14
1981-1985	24	2	62	10	13	1	45	6
1986-1990	9 a/	1 a/	58	12	10	2	35	7
1991-1995	12	9	74	10	16	2	46	10
1996	81	9	79	7	27	5	85	10
1997	17	1	60	5	14	1	41	3
1998	46	11	52	3	19	2	53	7
1999	58	3	12	1	10	0	36	2
2000	26	3	63	6	11	1	45	5
2001	25	2	49	2	9	3	38	3
2002	62	7	70	3	15	9	67	9
2003	20	7	28	5	12	1	27	6
2004	97	19	29	4	11	1	62	11
2005	15	2	16	3	1	0	15	2
2006	22	3	24	2	5	1	23	3
2007	44	0	14	4	6	1	29	2
2008 b/	10	1	15	29	3	5	13	16

a/ Pistol River was subject to several “slope failures” in 1986 resulting in severe short-term alterations in gravel bars and spawning index areas. Considerable debris and siltation severely limited Chinook surveys resulting in “0" counts in Deep Creek index areas through December.

b/ Preliminary.

TABLE B-9. Counts of natural and hatchery spring Chinook salmon at Gold Ray Dam on the Rogue River and at Winchester Dam on the North Umpqua River in thousands of fish.

	Gold Ray Dam, Rogue River[a/]				Winchester Dam, Umpqua River[a/]			
Year or Avg.	Natural	Hatchery	Total	Jacks[b/]	Natural	Hatchery	Total	Jacks[b/]
1942-1945	35.1	-	35.1	4.9	-	-	-	-
1946-1950	24.7	-	24.7	3.0	2.7	-	2.7	0.5
1951-1955	21.4	-	21.4	4.2	4.2	0.9	4.9	1.0
1956-1960	19.8	-	19.8	3.4	4.4	0.9	5.4	0.7
1961-1965	37.7	-	37.7	6.4	6.4	1.8	8.2	1.8
1966-1970	33.9	-	33.9	5.5	7.2	4.5	11.8	3.2
1971-1975	26.0	0.8	26.8	5.0	7.3	6.2	13.5	3.8
1976-1980	25.8	6.3	32.1	7.0	5.8	3.9	9.7	3.2
1981-1985	16.4	6.2	22.6	7.3	5.2	3.5	8.7	2.5
1986-1990	28.5	39.2	67.7	14.9	7.5	4.1	11.6	2.5
1991-1995	9.7	18.4	28.0	3.9	3.5	2.5	6.0	1.1
1996	10.3	26.3	36.6	3.4	4.3	2.2	6.5	1.0
1997	9.6	32.2	41.8	2.8	3.3	2.5	5.8	16.0
1998	3.7	12.3	16.0	2.8	4.0	2.9	6.9	1.5
1999	6.0	15.0	21.0	1.9	2.8	4.6	7.4	3.1
2000	3.4	26.8	30.2	3.1	3.4	9.2	12.6	4.6
2001	9.3	23.9	33.2	2.3	6.1	14.6	20.7	4.7
2002	7.0	40.8	47.8	3.2	6.8	17.4	24.2	3.1
2003	19.3	22.6	41.9	3.0	7.9	12.3	20.2	4.1
2004	13.3	26.0	39.3	3.8	5.4	10.1	15.4	2.5
2005	5.8	12.3	18.1	1.3	3.6	5.5	9.0	1.3
2006	4.8	7.0	11.7	2.2	2.6	3.5	6.1	1.7
2007	3.5	7.7	11.2	1.6	2.4	4.2	6.6	1.7
2008[c/]	4.0	8.6	12.5	3.8	2.6	5.1	7.7	2.7

a/ Jacks included in natural, hatchery, and total counts.

b/ Jacks include all Chinook less than 20 inches prior to 1978 and all Chinook less than 24 inches beginning in 1978.

c/ Preliminary.

TABLE B-10. Rogue River fall Chinook carcass counts in numbers of fish.

	Carcass Counts		
Year or Avg.	Adults	Jacks	Total
1977-1980	5,256	1,004	6,259
1981-1985	3,906	1,009	4,915
1986-1990	16,797	1,527	18,324
1990-1995	4,387	316	4,703
1996	2,448	121	2,569
1997	1,643	68	1,711
1998	3,601	40	3,641
1999	2,493	157	2,650
2000	3,366	226	3,592
2001	6,380	772	7,152
2002	11,836	905	12,741
2003	14,620	983	15,603
2004	5,326 [a/]	250	5,576
2005[b/]	-	-	-
2006[b/]	-	-	-
2007[b/]	-	-	-
2008[b/]	-	-	-

a/ In 2004, one of the standard survey sections was not sampled. In the previous two years, this section accounted for 33 percent of the total adult carcass counts.

b/ Surveys were not conducted.

TABLE B-11. Peak counts for north migrating Oregon coastal Chinook stocks on selected fall Chinook spawning index stream surveys.

	River Tributaries																			
	Humbug (Nehalem) (1.0 mile)		Tillamook (1.8 mile)		Niagara (Nestucca) (0.4 mile)		Sunshine (Siletz) (1.2 mile)		Grant (Yaquina) (1.7 mile)		Buck (Alsea) (1.0 mile)		Siuslaw (Lake) (0.8 mile)		W.F. Millicoma (Coos) (0.5 mile)		Salmon (Coquille) (0.8 mile)		Index Fish Per Mile	
Year or Average	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks	Adults	Jacks
1961-1965	95	22	116	25	72	5	59	13	43	13	28	9	61	15	2	1	23	13	54	13
1966-1970	57	3	93	27	47	6	30	5	61	13	26	16	134	40	6	1	26	9	52	13
1971-1975	101	26	55	5	55	4	40	5	64	8	17	3	94	49	18	13	15	5	50	14
1976-1980	143	12	61	6	32	2	47	5	127	23	22	3	166	39	31	28	31	10	72	14
1981-1985	163	18	95	9	78	6	55	2	178	24	47	6	149	31	6	2	45	7	89	11
1986-1990	136	4	154	8	118	3	54	2	240	24	100	6	427	44	15	5	49	6	141	11
1991-1995	65	2	92	6	103	3	60	2	153	10	44	4	395	18	49	7	86	5	116	6
1996	86	2	60	0	40	0	122	0	a/	a/	62	2	614	29	92	3	29	3	147	5
1997	162	1	47	1	24	1	60	0	a/	a/	49	3	325	9	12	0	108	3	105	2
1998	93	2	42	1	42	0	83	3	a/	a/	78	0	176	2	33	10	193	7	99	3
1999	116	3	38	1	60	2	36	3	a/	a/	55	5	478	14	14	3	136	8	124	5
2000	175	3	40	3	32	2	63	1	a/	a/	38	3	205	18	5	0	83	9	85	5
2001	220	4	62	6	53	7	195	3	a/	a/	95	6	711	49	30	5	153	22	203	14
2002	311	1	137	3	124	1	221	1	a/	a/	118	6	834	22	51	12	218	9	269	7
2003	215	6	135	5	27	1	120	3	341	7	145	1	1,230	37	209	31	147	2	279	10
2004	196	3	71	2	76	1	19	0	238	11	91	5	988	16	40	4	101	5	198	5
2005	124	3	b/	b/	74	2	54	1	a/	a/	40	1	302	5	17	2	61	2	118	3
2006	31	0	65	0	67	0	82	0	a/	a/	22	0	165	0	7	1	129	8	100	1
2007	91	1	34	2	20	0	6	0	a/	a/	17	1	132	2	14	3	2	0	42	1
2008[c/]	73	1	12	2	13	0	8	0	a/	a/	11	2	135	15	20	5	28	8	40	4

a/ Surveys were not conducted; landowner would not allow access.

b/ Surveys were not conducted in 2005.

c/ Preliminary.

TABLE B-12. Estimates of minimum inriver run size, catch, and escapement in numbers of Columbia River adult spring Chinook destined for areas below Bonneville Dam.

Year or Average	Minimum Inriver Run Size	Lower River Catch[a/]		Tributary Runs							Hatchery Escapement[d/]
				Willamette							
		Commercial	Sport	Run Size	L. Willamette Sport Catch	Will. Falls Escapement[b/]	Sandy	Cowlitz[c/]	Lewis[c/]	Kalama	
1971-1975	84,000	13,800	3,700	53,300	17,000	34,300	--	11,900	200	1,100	20,000
1976-1980	92,160	6,160	2,720	51,240	14,380	31,420	975	19,680	2,980	2,020	26,580
1981-1985	130,000	6,680	1,840	67,700	15,620	35,580	1,940	19,960	4,220	3,740	28,840
1986-1990	175,563	11,980	4,330	103,100	21,140	58,760	2,425	10,691	11,340	1,877	32,460
1991-1995	119,498	3,680	2,875	66,039	18,180	32,580	4,951	6,801	5,870	1,976	23,700
1996	54,437	149	-	33,358	6,100	20,400	3,997	1,787	1,730	627	15,900
1997	53,560	300	-	34,536	1,900	26,200	4,625	1,877	2,196	505	18,100
1998	52,651	100	49	43,497	2,800	33,100	3,768	1,055	1,611	407	22,900
1999	63,348	349	-	52,584	5,500	38,900	3,985	2,069	1,753	977	25,900
2000	72,192	1,149	249	55,788	9,000	37,594	3,641	2,199	2,515	1,418	24,100
2001	100,666	3,700	4,300	78,436	7,600	52,700	5,329	1,609	3,777	1,796	29,000
2002	150,080	7,900	5,800	120,164	10,800	83,100	5,903	5,208	3,630	2,924	58,300
2003	163,419	1,900	8,200	123,352	13,500	87,600	5,600	15,972	5,159	4,553	45,725
2004	195,933	8,500	7,500	143,242	12,000	95,200	12,675	16,514	7,536	4,323	67,910
2005	85,539	3,400	4,400	59,495	5,800	35,453	7,475	9,354	3,500	3,162	32,891
2006	91,390	3,000	2,900	59,311	7,200	36,851	4,812	6,967	7,251	5,468	35,565
2007	66,563	1,900	2,600	39,943	5,700	22,818	3,400	3,973	7,530	8,017	29,374
2008[e/]	44,260	100	700	27,106	4,600	14,151	6,800	2,700	2,400	1,600	18,114

a/ Includes some upriver origin spring Chinook through 1980. Beginning in 1981, the lower river catch of lower river spring Chinook is based on mark recoveries rather than the timing of the catch, as in previous years. Since 1986, GSI and VSI techniques have been used for stock composition analysis. Commercial catch includes Select Area fisheries. Sport catch is mainstem Columbia River, does not include tributaries. Catch may include small numbers of jacks. Sport fishery closed in 1995 to 1997.

b/ Prior to 1988, the escapement goal at Willamette Falls was 30,000 to 35,000. Beginning in 1988, the goal was dependent on run size under the Willamette Basin Fish Management Plan. Since 2001, hatchery escapement targets are set in the Fisheries Management and Evaluation Plan developed by ODFW. Lower Willamette sport catch may include small numbers of jacks.

c/ Includes hatchery escapement, tributary recreational catch, and natural spawning escapement for 1975 to present. The years 1971-1973 are based on using the 1975-1976 Cowlitz River recreational fishery adult harvest rates.

d/ Includes hatcheries operated by all agencies. Values are included in the totals for the tributary runs.

e/ Preliminary.

TABLE B-13. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult spring Chinook destined for areas above Bonneville Dam.[a/] This table includes Snake River summer Chinook.

Year or Avg.	Inriver Run Size	Lower River Catch[b/]		Bonneville Dam Count	Zone 6 Sport	Mainstem Treaty Indian Catch		Zone 6 Escapement[d/]	Snake River Escapement[e/]		Up. Col. River Escapement[f/]		Hatchery Escapement[g/]
		Commercial	Sport			Commercial[c/]	Ceremonial/ Subsistence		Hatchery	Wild	Hatchery	Wild	
1976-1980	55,897	185	0	55,712	-	259	1,714	53,740	2,903	6,413	3,526	2,877	5,703
1981-1985	70,328	1,706	393	68,229	-	1,024	2,545	64,660	7,616	10,679	7,072	5,199	12,887
1986-1990	107,959	2,378	1,356	104,225	-	186	6,771	97,268	20,137	9,755	10,287	4,273	27,883
1991-1995	63,355	511	710	62,134	-	15	3,730	58,389	7,263	7,013	7,031	1,676	13,883
1996	55,559	46	17	55,496	-	0	2,911	52,585	3,249	3,788	1,753	134	5,211
1997	123,824	53	13	123,758	-	14	8,309	115,435	40,443	4,406	5,336	571	46,089
1998	43,512	27	14	43,471	-	1	2,224	41,246	6,946	7,391	2,806	207	9,872
1999	43,072	28	21	43,023	-	1	1,983	41,039	3,885	2,856	2,950	360	7,303
2000	186,707	265	102	186,340	-	1,379	9,973	174,988	29,809	8,255	13,224	1,628	37,039
2001	439,885	2,543	22,714	414,628	93	43,790	10,985	359,760	141,304	45,335	33,364	6,342	167,281
2002	334,543	10,150	16,213	308,180	1,237	24,257	9,208	273,479	68,822	30,248	21,181	2,846	89,725
2003	242,638	3,524	9,615	229,499	1,292	9,205	9,090	209,912	55,633	32,366	15,447	1,434	68,459
2004	221,606	6,240	17,041	198,325	1,339	8,370	9,114	179,502	60,000	21,401	9,279	1,639	68,129
2005	106,920	2,288	7,235	97,397	448	1	6,163	90,785	23,102	10,156	10,370	1,538	32,838
2006	132,140	1,822	4,161	126,158	648	0	8,401	117,109	20,552	9,490	8,560	1,084	28,151
2007	86,231	1,484	3,918	80,829	611	3	5,624	74,591	23,704	7,100	7,544	852	30,099
2008[h/]	172,811	475	19,611	151,895	1,830	12,314	8,247	129,504	56,513	17,368	14,690	1,620	68,412
GOAL				115,000									

a/ Spring Chinook accounting ends on June 15. Chinook formerly managed separately as Snake River summer Chinook are now grouped with all upriver spring Chinook because of overlap in run timing. Snake River summer Chinook have been moved from Table B-14 to this table.

b/ Includes some lower river origin spring Chinook through 1980. Beginning in 1981, the lower river catch of upriver spring Chinook is based on mark recoveries rather than timing of the catch as in previous years. Since 1986, GSI techniques have been used for stock composition analysis. Commercial catch includes estimated miscellaneous fishery-related impacts from test fisheries, commercial shad fisheries, and Select Area commercial gillnet fisheries beginning in 1979 and catch and release mortalities from selective fisheries beginning in 2001. Sport catch includes mainstem fisheries between Buoy 10 and Bonneville Dam.

c/ Spring season fishery closed in 1975, 1976, and from 1978 to 2000. Spring Chinook landed during those years were from the winter season fishery.

d/ Bonneville Dam count minus Zone 6 mainstem commercial and ceremonial/subsistence treaty Indian harvest.

e/ Count at uppermost Snake River Dam (Little Goose in 1971-1974 and Lower Granite plus Tucannon wild escapement after 1974) plus harvest below Lower Granite Dam.

f/ Rock Island Dam count.

g/ Escapement of hatchery fish pass Lower Granite Dam and Priest Rapids Dam (Wenatchee, Entiat, and Methow).

h/ Preliminary.

TABLE B-14. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult summer Chinook destined for areas above Bonneville Dam.[a/] This table does not include Snake River summer Chinook.

		Lower River Catch[b/]				Mainstem Treaty Indian Catch			
Year or Avg.	Inriver Run Size	Commercial[c/]	Sport	Bonneville Dam Count	Zone 6 Sport	Commercial[d/]	Ceremonial/ Subsistence	Zone 6 Escapement[e/]	U. Columbia River Escapement[f/]
1976-1980	22,566	81	-	22,485	-	38	1,047	21,401	18,161
1981-1985	16,822	55	-	16,767	-	304	654	15,809	12,202
1986-1990	21,244	71	9	21,166	-	1,180	194	20,264	15,785
1991-1995	13,032	30	15	12,988	-	-	227	12,761	13,347
1996	12,073	15	27	12,031	-	-	374	11,657	10,995
1997	18,277	6	19	18,252	-	-	270	17,982	13,107
1998	16,332	1	27	16,304	-	-	335	15,969	13,387
1999	21,857	1	41	21,815	-	-	411	21,404	20,898
2000	22,603	0	25	22,578	-	-	209	22,369	22,306
2001	52,960	1	64	52,895	-	150	542	52,203	53,170
2002	89,580	8	1,503	88,069	65	42	2,019	85,943	96,326
2003	83,120	36	2,007	81,077	279	3,587	710	76,501	83,004
2004	65,446	236	1,240	63,970	118	8,004	390	55,458	67,060
2005	60,060	2,574	1,622	55,864	482	6,415	1,227	47,740	61,227
2006	76,196	5,017	3,360	67,819	40	15,771	548	51,460	57,236
2007	37,190	1,122	2,369	33,699	60	4,564	811	28,264	27,580
2008[g/]	55,444	1,341	2,140	51,963	800	8,317	712	42,134	35,375
GOAL	29,300[h/]								

a/ Summer Chinook accounting begins on June 16. Chinook managed as Snake River summer Chinook prior to 2004 are now grouped with all upriver spring Chinook because of overlap in run timing. As of 2004, they have been moved from this table to Table B-13.

b/ Includes estimated miscellaneous fishery-related impacts from mainsetm recreational fisheries, test fisheries, commercial shad fisheries, and terminal area commercial gillnet fisheries beginning in 1979. Includes catch and release mortality in selective fisheries beginning in 2002.

c/ No directed commercial summer Chinook fishery from 1964 to 2003. Landings during those years are bycatch from commercial shad and sockeye fisheries.

d/ No directed commercial summer Chinook fishery from 1965 to 2003. Landings during those years are bycatch from commercial sockeye fishery.

e/ Bonneville Dam count minus Zone 6 mainstem sport, and treaty Indian commercial, and ceremonial/subsistence harvest.

f/ Priest Rapids Dam count.

g/ Preliminary.

h/ Comanager goal established in 2004 associated with regrouping Snake River summer Chinook with Snake River spring Chinook.

TABLE B-15. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult Spring Creek Hatchery (SCH) stock fall Chinook.[a/]

			Harvest				
				Non-Indian		Escapement	
Year or Average	Inriver Run Size	Bonneville Dam Count	Treaty Indian Commercial and Subsistence	Commercial[b/]	Sport	Natural	Hatchery[c/]
1971-1975	105,700	67,600	29,000	37,900	300	2,900	17,000
1976-1980	116,522	83,000	32,533	31,794	131	3,884	21,972
1981-1985	63,342	49,780	24,637	9,747	580	2,711	15,955
1986-1990	16,673	10,200	6,080	2,920	820	1,500	4,600
1991-1995	30,192	25,564	11,360	2,067	1,280	1,460	9,700
1996	33,137	30,300	21,100	1,700	900	1,300	7,700
1997	27,377	23,300	10,329	0	2,981	4,612	8,688
1998	20,158	17,100	6,592	197	2,556	2,731	3,224
1999	50,189	46,800	28,197	258	2,617	3,338	14,488
2000	20,527	18,400	7,903	1,141	897	4,085	6,257
2001	124,951	115,800	52,124	3,693	3,302	5,063	36,663
2002	158,299	145,200	48,350	11,485	6,654	8,069	67,436
2003	180,592	161,735	48,204	9,850	7,659	27,894	56,935
2004	175,245	164,482	59,941	3,690	5,614	14,084	68,932
2005	103,526	98,322	49,471	3,981	3,049	4,667	31,977
2006	27,917	21,197	13,400	1,774	654	1,931	9,889
2007	14,549	13,072	5,034	474	306	2,870	5,899
2008[d/]	95,860	87,592	50,720	4,220	2,810	10,130	26,750
GOAL							7,000[e/]

a/ Based on Columbia River fall Chinook database, WDFW, unpublished.

b/ Includes Select Area fisheries.

c/ Does not include strays to hatcheries below Bonneville Dam. Includes fall Chinook tules trapped at Bonneville Dam, 1986-1994 and 1998.

d/ Preliminary estimates based on inseason run updates.

e/ Escapement goal was changed from 8,200 fish to 7,000 fish, or 4,000 females, in 1994.

TABLE B-16.Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult lower river hatchery (LRH) stock fall Chinook.[a/]

		Harvest			Escapement	
		Treaty Indian Commercial and Subsistence	Non-Indian			
Year or Average	Inriver Run Size		Commercial[b/]	Sport[c/]	Natural	Hatchery[d/]
1971-1975	175,900	0	78,100	5,400	49,200	43,200
1976-1980	145,377	20	59,400	4,380	36,940	44,620
1981-1985	107,163	851	25,604	4,486	37,755	36,846
1986-1990	199,938	655	93,794	17,420	38,774	48,821
1991-1995	55,519	238	2,871	4,998	19,915	27,419
1996	75,495	360	3,899	4,641	23,909	42,662
1997	57,393	0	2,369	7,704	22,663	24,657
1998	45,265	0	844	4,519	16,713	23,035
1999	39,933	0	2,234	6,118	12,551	19,030
2000	26,997	0	860	3,212	10,714	12,211
2001	94,331	0	4,428	7,443	39,434	42,996
2002	156,444	279	9,928	15,353	80,670	50,138
2003	154,983	0	9,216	14,213	97,089	34,465
2004	109,055	475	13,122	11,870	53,399	30,103
2005	78,293	186	9,219	10,140	33,598	25,042
2006	58,319	237	5,919	9,449	26,633	15,957
2007	32,689	0	1,308	6,123	10,208	15,050
2008[e/]	56,705	0	5,460	3,580	24,580	23,090
GOAL						Hatchery Production

a/ Based on Columbia River fall Chinook database, WDFW, unpublished.

b/ Includes Select Area fisheries.

c/ Includes tributary catches.

d/ Does not include strays to hatcheries above Bonneville Dam or fish trapped at Bonneville Dam.

e/ Preliminary estimates based on inseason run updates.

TABLE B-17. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult lower river wild (LRW) stock fall Chinook.[a/]

		Harvest				
			Non-Indian		Escapement	
Year or Average	Inriver Run Size	Treaty Indian Commercial and Subsistence	Commercial	Sport[b/]	Natural	Hatchery
1971-1975	59,700	0	27,900	2,100	29,400	100
1976-1980	26,963	20	11,720	1,220	13,720	240
1981-1985	16,287	0	1,940	1,320	12,480	480
1986-1990	32,600	60	10,689	3,251	18,383	181
1991-1995	14,761	0	2,159	2,433	10,101	68
1996	14,566	0	325	234	13,914	93
1997	12,323	0	0	1,082	11,241	0
1998	7,253	0	0	667	6,493	93
1999	3,349	0	18	0	3,257	74
2000	10,234	0	604	0	9,422	208
2001	15,721	0	1,382	729	13,610	0
2002	25,171	161	1,801	3,245	19,654	50
2003	26,021	0	3,391	4,962	17,668	0
2004	22,327	0	2,343	3,638	16,346	0
2005	16,767	0	2,240	2,632	11,725	170
2006	18,105	0	2,546	2,801	12,758	0
2007	4,276	0	258	138	3,857	23
2008[c/]	4,963	0	40	100	4,823	0
GOAL					5,700[d/]	

a/ Based on Columbia River fall Chinook database, WDFW, unpublished.

b/ Includes tributary catches.

c/ Preliminary estimates based on inseason run updates.

d/ Escapement objective is for North Lewis River, but escapement numbers include other fish. The escapement objective for the North Lewis River was met for all years except 1998, 1999, 2007, and 2008.

TABLE B-18. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult upriver bright (URB) stock fall Chinook destined for areas above McNary Dam and the Deschutes River.[a/]

			Harvest			Escapement						
				Non-Indian								
Year or Average	Inriver Run Size	Bonneville Dam Count	Treaty Indian Commercial and Subsistence	Commercial	Sport[b/]	Natural[c/]	Hatchery	Deschutes above Sheares Falls	McNary Dam Count	Ice Harbor Dam Count	Total Lower Granite Count	SRW L. Granite Dam Count[d/]
1971-1975	110,500	80,400	35,100	29,300	3,100	36,800	2,600	NA	39,500	5,600	-	-
1976-1980	92,301	72,360	32,160	19,180	980	29,480	1,980	NA	31,080	1,160	532	532
1981-1985	111,873	94,120	26,700	13,880	3,020	46,060	8,100	NA	51,042	1,583	586	450
1986-1990	291,407	222,337	100,379	61,499	13,613	90,709	13,231	5,023	107,252	4,369	691	289
1991-1995	105,302	99,028	20,813	5,000	5,095	51,424	9,419	5,545	61,362	3,352	903	473
1996	143,155	135,499	29,868	3,717	8,918	59,598	15,905	8,759	73,929	3,810	1,308	639
1997	161,735	152,941	42,637	1,429	11,506	68,889	13,114	20,678	67,192	2,752	1,451	797
1998	141,575	137,509	33,760	770	8,137	54,297	18,798	10,923	63,791	4,220	1,909	306
1999	165,889	155,756	38,822	2,133	15,173	48,372	30,272	3,997	78,356	6,586	3,381	905
2000	156,595	145,104	36,501	5,551	10,545	66,512	10,841	3,230	66,378	6,509	3,602	1,148
2001	232,366	219,801	35,422	8,151	12,648	92,194	21,143	11,161	110,517	13,635	8,915	5,163
2002	279,548	257,711	57,405	6,881	25,651	123,446	17,299	12,252	141,682	15,319	12,351	2,116
2003	374,154	341,208	49,060	15,930	25,918	176,865	12,356	12,590	179,970	20,903	11,732	3,856
2004	362,804	336,585	46,566	19,760	22,276	148,028	23,137	11,879	170,648	21,100	14,960	2,983
2005	278,539	256,119	45,776	8,464	23,980	115,612	23,299	14,092	131,550	14,677	11,170	2,602
2006	230,390	132,632	44,565	8,757	14,515	79,852	15,197	13,374	89,081	10,272	8,048	2,483
2007	114,065	105,626	18,878	2,833	10,860	51,004	7,267	13,181	57,268	13,408	10,195	2,016
2008[e/]	224,175	203,900	56,040	10,230	15,370	90,960	NA	NA	101,869	21,896	16,628	NA
GOAL									40,000[f/]			

a/ Based on Columbia River fall Chinook database, WDFW, unpublished. Does not include hatchery URB Chinook reared and released below McNary Dam.

b/ Includes tributary and mainstem catches between Bonneville and Priest Rapids dams.

c/ Includes Deschutes, Yakima, Upper Columbia, and Snake River escapements.

d/ Snake River wild; adjusted for stray hatchery fish. Includes wild fish hauled to Lyons Ferry Hatchery.

e/ Preliminary based on inseason run update.

f/ FMP goal. The U.S. v. Oregon parties managed for an escapement of 45,000 between 1990 and 1993 at McNary Dam to account for increased hatchery brood stock needs and concern for the Snake River wild fall Chinook stock. Starting in 1994, inriver fisheries were based on ESA consultation standards, rather than a McNary Dam escapement goal.

TABLE B-19. Estimates of inriver run size, catch, and escapement in numbers of Columbia River adult mid-Columbia bright (MCB) stock fall Chinook destined for areas below McNary Dam, not including the Deschutes River.[a/])

			Harvest			Escapement	
				Non-Indian			
Year or Average	Inriver Run Size	Bonneville Dam Count	Treaty Indian Commercial and Subsistence	Commercial	Sport[b/]	Natural	Hatchery[c/]
1982-1985	10,275	4,925	1,875	1,675	100	0	3,450
1986-1990	60,894	24,780	16,288	26,547	2,277	4,253	9,194
1991-1995	32,352	19,360	6,014	4,151	1,622	7,327	10,631
1996	59,698	38,100	12,443	5,306	3,387	15,618	15,868
1997	58,932	36,600	11,596	3,320	6,517	15,916	15,808
1998	37,328	29,900	5,570	1,063	5,697	11,380	8,401
1999	50,788	40,400	10,581	1,543	5,927	17,213	7,334
2000	37,191	25,600	7,186	3,739	3,507	10,135	7,884
2001	76,504	48,100	16,821	7,023	9,580	14,600	13,701
2002	108,198	57,600	24,358	9,437	12,737	27,005	21,946
2003	150,042	97,179	27,830	20,432	12,804	38,204	24,175
2004	122,496	79,866	23,392	9,178	11,167	27,779	26,210
2005	100,333	60,464	23,158	6,590	10,727	14,271	30,991
2006	80,470	31,402	22,705	4,577	3,567	12,501	19,745
2007	47,556	29,029	13,369	6,665	2,528	5,559	13,053
2008[d/]	60,420	25,400	7,620	10,240	4,020	11,850	19,690
GOAL							Hatchery Production

a/ Based on Columbia River fall Chinook database, WDFW, unpublished. Does not include URB Chinook destined for areas above McNary Dam or the Deschutes River.

b/ Includes tributary and mainstem catches.

c/ Little White Salmon and Bonneville Hatcheries.

d/ Preliminary based on inseason run updates.

TABLE B-20. Estimates of minimum inriver run size and catch in numbers of adult spring, summer, and fall Chinook from the Columbia River. (Page 1 of 3)

Year	Minimum Inriver Run Size	Below Bonneville Dam					Bonneville Dam Counts	Above Bonneville Dam					Non-Indian Total		Total Treaty Indian & Non-Indian
		Non-Indian Sport			Non-Indian Commercial			Non-Indian Sport		Treaty Indian					
		Tributary[a/]	Buoy 10	Mainstem[b/]	Select Area[c/]	Mainstem		Mainstem	Tributary[d/]	Ticketed Commercial[e/]	Non-Ticketed Public Sales	Ceremonial & Subsistence[f/]	Sport	Commercial	
Spring Chinook[g/]															
'79-'80	146,497	11,427	h/	1,150	-	2,900	55,712	-	-	259	--	1,714	12,577	2,900	17,450
'81-'85	200,328	19,568	h/	2,233	-	8,197	68,229	-	777	1,024	--	2,545	22,422	8,197	34,188
'86-'90	283,523	39,688	h/	5,686	-	14,138	104,225	-	3,156	186	--	6,771	48,530	14,138	69,625
'91-'95	182,853	33,232	h/	3,010	376	4,042	62,134	-	652	15	--	3,730	36,894	4,343	44,982
1996	109,996	13,206	h/	17	789	154	55,496	-	264	0	--	2,911	13,487	943	17,341
1997	177,384	8,270	h/	13	1,821	309	123,758	-	7,326	14	--	8,309	15,609	2,130	26,062
1998	96,163	10,350	h/	63	2,313	100	43,471	-	1,717	1	--	2,224	12,130	2,413	16,768
1999	106,420	14,940	h/	21	1,980	351	43,023	-	220	1	--	1,983	15,181	2,331	19,496
2000	258,899	17,582	h/	351	6,631	1,237	186,340	-	11,502	1,379	--	9,973	29,435	7,868	48,655
2001	540,551	18,925	h/	27,014	9,719	5,279	414,628	93	56,685	22,019	21,696	10,985	102,717	14,998	172,415
2002	484,623	31,800	h/	22,013	12,251	17,383	308,180	1,237	25,859	17,930	6,324	9,208	80,908	29,634	144,004
2003	406,057	33,877	h/	17,815	8,783	4,659	229,499	1,292	21,179	6,363	2,842	9,090	74,163	13,442	105,900
2004	417,539	41,679	h/	24,541	11,643	14,489	198,325	1,339	22,508	5,256	3,114	9,114	90,067	26,132	133,683
2005	192,459	15,493	h/	11,635	2,553	5,646	97,397	448	6,480	1	--	6,163	34,056	8,199	48,419
2006	223,530	13,553	h/	7,061	7,581	4,689	126,158	648	3,774	0	--	8,401	25,036	12,270	45,707
2007	152,794	11,422	h/	6,518	6,968	3,330	80,829	611	5,201	3	--	5,624	23,752	10,298	39,677
2008[i/]	217,071	6,200	h/	20,311	4,586	100	151,895	1,830	19,328	12,314	--	8,247	47,669	4,686	72,916
Summer Chinook[g/j/]															
'79-'80	22,566	-	-	-	-	81	22,485	-	-	38	--	1,047	0	81	1,165
'81-'85	16,822	-	-	-	-	55	16,767	-	-	304	--	654	0	55	1,013
'86-'90	21,244	-	-	7	-	71	21,166	-	-	1,180	--	194	7	71	980
'91-'95	13,032	-	-	15	-	30	12,988	-	-	-	--	227	15	30	271
1996	12,073	-	-	27	-	15	12,031	-	-	-	-	374	27	15	416
1997	18,277	-	-	19	-	6	18,252	-	-	-	-	270	19	6	295
1998	16,332	-	-	27	-	1	16,304	-	-	-	-	335	27	1	363
1999	21,857	-	-	41	-	1	21,815	-	-	-	-	411	41	1	453
2000	22,603	-	-	25	-	0	22,578	-	39	-	-	209	64	0	273
2001	52,960	-	-	64	-	1	52,895	-	82	150	--	542	146	1	839
2002	89,580	-	-	1,503	-	8	88,069	65	197	42	--	2,019	1,765	8	3,834
2003	83,120	-	-	2,007	36	0	81,077	279	223	3,587	--	710	2,509	36	6,842
2004	65,446	-	-	1,240	3	233	63,970	118	157	8,004	--	390	1,515	236	10,145
2005	60,060	-	-	1,622	0	2,574	55,864	482	338	6,415	--	1,227	2,442	2,574	12,658
2006	76,196	-	-	3,360	9	5,008	67,819	40	216	15,771	--	548	3,616	5,017	24,952
2007	37,190	-	-	2,369	0	1,122	33,699	60	294	4,564	--	811	2,723	1,122	9,220
2008[i/]	55,444	-	-	2,140	59	1,282	51,963	800	188	8,317	--	712	3,128	1,341	13,498

TABLE B-20. Estimates of minimum inriver run size and catch in numbers of adult spring, summer, and fall Chinook from the Columbia River. (Page 2 of 3)

Year	Minimum Inriver Run Size	Below Bonneville Dam					Bonneville Dam Counts	Above Bonneville Dam							Total Treaty Indian & Non-Indian
		Non-Indian Sport			Non-Indian Commercial			Non-Indian Sport		Treaty Indian			Non-Indian Total		
		Tributary[a/]	Buoy 10	Mainstem[b/]	Select Area[c/]	Mainstem		Mainstem	Tributary[d/]	Ticketed Commercial[e/]	Non-Ticketed Public Sales	Ceremonial & Subsistence[f/]	Sport	Commercial	
Fall Chinook[k/]															
'79-'80	337,608	3,651	-	1,155	20,800	73,253	135,878	500	--	32,568	--	--	5,306	113,253	151,127
'81-'85	307,206	4,158	7,176	1,528	8,560	45,490	150,768	2,795	--	48,888	--	5,025	10,234	54,050	118,196
'86-'90	603,713	6,383	20,641	4,119	16,059	181,817	258,807	5,825	442	118,864	4,765	5,692	37,056	197,876	360,441
'91-'95	240,267	3,541	6,224	2,633	1,230	14,693	145,489	4,150	584	33,408	4,732	658	15,887	15,923	70,476
1996	332,051	1,474	1,322	9,178	4,879	11,937	205,358	5,125	1,479	41,718	21,533	504	18,578	16,816	99,149
1997	322,460	2,615	13,048	8,447	4,002	5,130	214,779	4,300	2,100	40,878	23,757	341	30,510	9,132	104,618
1998	255,379	120	5,441	10,232	1,700	2,350	189,085	4,297	2,324	28,096	16,923	--	22,414	4,050	71,483
1999	313,648	2,462	10,170	8,551	2,009	5,774	242,143	7,375	1,720	43,780	32,883	1,310	30,278	7,783	116,034
2000	254,445	320	4,549	7,422	2,007	11,539	192,815	4,324	1,988	37,514	13,635	269	18,603	13,546	83,567
2001	548,736	2,971	12,287	8,683	4,200	22,938	400,410	7,922	2,800	79,959	31,397	365	34,663	27,138	173,522
2002	733,340	7,789	18,273	21,235	7,899	34,428	474,648	11,171	5,940	96,277	33,918	457	64,408	42,327	237,387
2003	893,926	11,999	14,873	25,931	9,360	54,620	610,336	9,267	4,490	94,822	31,107	683	66,560	63,980	257,152
2004	799,024	8,379	15,201	16,968	12,400	40,373	583,269	10,297	4,215	111,833	15,379	416	55,060	52,773	235,461
2005	584,009	7,810	9,983	20,111	8,677	26,231	417,057	9,110	4,307	92,463	22,058	570	51,321	34,908	201,320
2006	422,433	7,052	1,620	13,447	4,822	23,144	299,161	5,136	3,969	58,842	18,849	391	31,224	27,966	137,272
2007	219,628	2,700	3,389	7,888	3,650	11,685	159,815	4,914	2,019	34,001	11,085	270	20,910	15,335	81,601
2008[i/]	457,798	1,510	7,860	10,840	14,170	29,010	314,995	6,290	0	90,968	18,055	40	26,500	43,180	178,743
Total Chinook															
'79-'80	506,672	13,253	-	1,728	20,800	39,608	214,075	500	--	16,581	--	2,760	15,230	59,608	94,178
'81-'85	524,355	23,726	7,176	3,761	8,560	53,742	235,764	1,677	621	50,216	--	8,224	32,655	62,302	153,397
'86-'90	908,480	46,071	20,641	9,812	16,059	196,025	384,197	5,825	3,245	119,758	4,765	12,656	85,593	212,085	431,046
'91-'95	436,153	36,773	6,224	5,658	1,531	18,765	220,611	4,150	1,236	33,424	4,732	4,482	52,796	20,295	115,729
1996	454,121	14,680	1,322	9,222	5,668	12,106	272,885	5,125	1,743	41,718	21,533	3,789	32,092	17,774	116,906
1997	518,120	10,885	13,048	8,479	5,823	5,445	356,789	4,300	9,426	40,892	23,757	8,920	46,138	11,268	130,975
1998	367,874	10,470	5,441	10,322	4,013	2,451	248,860	4,297	4,041	28,097	16,923	2,559	34,571	6,464	88,614
1999	441,925	17,402	10,170	8,613	3,989	6,126	306,981	7,375	1,940	43,781	32,883	3,704	45,499	10,115	135,982
2000	535,947	17,902	4,549	7,798	8,638	12,776	401,733	4,324	13,529	38,893	13,635	10,451	48,102	21,414	132,495
2001	1,142,247	21,896	12,287	35,761	13,919	28,218	867,933	8,015	59,567	102,128	53,093	11,892	137,526	42,137	346,776
2002	1,307,544	39,589	18,273	44,751	20,150	51,819	870,897	12,473	31,996	114,249	40,242	11,684	147,082	71,969	385,226
2003	1,383,103	45,876	14,873	45,753	18,179	59,279	920,912	10,838	25,892	104,772	33,949	10,483	143,232	77,458	369,894
2004	1,282,009	50,058	15,201	42,749	24,046	55,095	845,564	11,754	26,880	125,093	18,493	9,920	146,642	79,141	379,289
2005	836,528	23,303	9,983	33,368	11,230	34,451	570,318	10,040	11,125	98,879	22,058	7,960	87,819	45,681	262,397
2006	722,159	20,605	1,620	23,868	12,412	32,841	493,138	5,824	7,959	74,613	18,849	9,340	59,876	45,253	207,931
2007	409,612	14,122	3,389	16,775	10,618	16,137	274,343	5,585	7,514	38,568	11,085	6,705	47,385	26,755	130,498
2008[i/]	730,313	7,710	7,860	33,291	18,815	30,392	518,853	8,920	19,516	111,599	18,055	8,999	77,297	49,207	265,157

TABLE B-20. Estimates of minimum inriver run size and catch in numbers of adult spring, summer, and fall Chinook from the Columbia River. (Page 3 of 3)

a/ For spring Chinook: includes lower and upper Willamette, Clackamas, Cowlitz, Kalama, Lewis, and Sandy Rivers. Sandy River harvest not available before 1990. Catch estimates may include small numbers of jacks. For summer Chinook: all tributaries are closed. For fall Chinook: all tributaries downstream from Bonneville Dam.

b/ Includes Select Area catch.

c/ Youngs Bay Select Area began in 1992. Tongue Point and Blind Slough began in 1998. Select Area test fisheries began in 1991. Other Select Areas include Knappa in Oregon and Deep River in Washington.

d/ Includes tributaries between Bonneville and McNary Dams, the Snake and Yakima rivers, Icicle and Ringold creeks.

e/ Primarily mainstem fisheries between Bonneville and McNary dams, but also includes fish caught in miscellaneous commercial Indian fisheries such as Klickitat dip net and mainstem fisheries upstream from McNary Dam.

f/ Primarily mainstem fisheries between Bonneville and McNary dams. Significant subsistence fisheries also occur in tributaries throughout the Columbia and Snake River basin, especially for spring Chinook, which are not included in these estimates.

g/ Upriver spring Chinook accounting ends on June 15 and summer Chinook accounting begins on June 16.

h/ Spring Chinook Buoy 10 area catch is included in mainstem sport.

i/ Preliminary. Fall Chinook estimates are from inseason run updates.

j/ Summer Chinook retention was prohibited for all mainstem non-Indian and treaty Indian fisheries until 2003. Small non-Indian incidental mortalities prior to 2003 are associated with recreational steelhead fisheries and commercial shad and sockeye fisheries. A few stray summer Chinook are caught in Select Area (terminal) fisheries that are open for late returning spring Chinook and early returning fall Chinook. Prior to 2003, Treaty Indians could retain summer Chinook for subsistence purposes.

k/ Fall Chinook minimum run size includes LRH, LRW, SCH, URB, MCB, and SAB.

TABLE B-21. Estimates of minimum inriver run size, catch, and escapement in thousands of adult coho entering the Columbia River.[a]

		Below Bonneville Dam					Above Bonneville Dam			
		Lower River Catch[b/]			Lower River Escapement					
			Recreational							
Year or Average	Minimum Inriver Run Size	Commercial	Buoy 10	Mainstem	Hatchery[c/]	Tributary Dam Counts[d/]	Bonneville Dam Counts[e/]	Mainstem Commercial Treaty Catch	Zone 6 Escapement[f/]	Hatchery Escapement
1971-1975	373.4	199.4	-	11.8	117.1	9.5	35.6	9.1	26.6	11.6
1976-1980	263.3	123.6	-	10.1	102.2	3.6	23.8	2.6	21.2	7.0
1981-1985	305.5	132.0	30.6	11.4	101.3	4.6	31.9	2.6	29.2	12.5
1986-1990	689.2	392.2	82.3	14.5	148.8	5.8	46.3	5.5	40.7	11.5
1991-1995	301.4	115.9	55.9	10.7	91.3	3.7	23.6	2.0	21.6	6.1
1996	113.0	26.2	4.5	3.8	62.2	0.6	15.7	0.1	15.6	1.4
1997	148.1	19.4	20.4	11.6	69.7	2.8	24.2	0.6	23.6	4.4
1998	168.7	23.0	3.2	6.7	87.9	1.3	46.6	0.2	46.4	11.3
1999	274.1	79.0	9.0	19.9	124.5	1.0	40.7	1.7	39.0	10.0
2000	547.6	168.4	21.5	37.7	228.6	5.6	85.8	6.3	79.3	26.6
2001	1,108.3	253.1	132.0	78.0	377.3	8.2	259.8	5.5	254.0	80.6
2002	499.9	163.0	6.2	27.4	211.1	3.6	88.6	1.6	86.5	2.9
2003	677.3	257.3	54.2	23.3	205.4	11.2	125.7	3.1	122.6	3.9
2004	442.5	119.6	15.1	13.5	173.5	5.6	115.0	6.0	109.0	6.2
2005	342.0	94.8	6.9	10.5	143.3	3.3	83.3	4.7	78.6	2.3
2006	383.0	63.4	3.7	16.3	188.0	9.5	102.1	5.4	96.7	0.7
2007	318.6	39.1	8.4	13.4	160.5	4.7	92.5	7.9	84.6	1.0
2008[g/]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GOAL					Hatchery Production					Hatchery Production

a/ These numbers match OPI databases. Adjustments were made to the escapement figures and catches.

b/ Includes some upriver origin coho. Mainstem recreational catches listed in this table include tributary catches and catches in the Chinook/Hammond area of 3,195 in 1989, 28 in 1990, and 1,151 in 1991.

c/ Includes hatcheries operated by all agencies.

d/ Willamette Falls, Clackamas River (North Fork Dam) and Sandy River (Marmot Dam).

e/ Includes additional small adults counted as jacks for 1983-1984 and 1986-1989.

f/ Bonneville Dam count minus Zone 6 mainstem commercial treaty Indian harvest.

g/ Preliminary.

TABLE B-22. Estimated catch and effort in the Buoy 10 fishery.[a/]

Year	Angler Trips	Catch		Catch Per Trip
		Chinook	Coho	
1982-1985	30,996	4,040	30,547	0.97
1986-1990[b/c/]	130,633	22,107	82,910	0.78
1991-1995[d/]	79,475	5,689	55,895	0.50
1996	18,034	1,409	4,537	0.33
1997	55,725	13,153	20,357	0.60
1998	29,998	5,784	3,175	0.30
1999	49,581	9,850	8,861	0.38
2000	72,518	6,085	21,478	0.38
2001	125,884	12,709	132,038	1.15
2002	84,457	19,441	6,233	0.30
2003	88,827	16,316	54,440	0.80
2004	68,818	16,016	15,169	0.45
2005	55,182	9,286	6,878	0.29
2006	40,688	1,706	3,687	0.13
2007	36,064	3,776	8,356	0.34
2008[e/]	32,467	8,349	8,573	0.52

a/ Prior to 1982, Buoy 10 area catches were not estimated separately and are included in the Columbia River marine area (Cape Falcon to Leadbetter Pt.) recreational catches. Estimates include bank anglers fishing from Clatsop Spit in Oregon and from the North Jetty in Washington. Effort and catch for the North Jetty fishery applied to the ocean quota for the Columbia River area until the ocean fishery closed. Beginning in 2000, includes catch and effort from the Astoria-Megler Bridge upstream to the new boundary from Tongue Point, Oregon to Rocky Point, Washington.

b/ 1989 includes catch and effort data for the Chinook/Hammond fishery occurring during weeks 32 and 33. A total of 7,922 angler trips produced catches of 492 Chinook, 3,195 coho, and a catch rate of 0.47 fish per trip. Catches in this fishery were counted against the Buoy 10 quota.

c/ 1990 includes catch and effort data for the Chinook/Hammond fishery occurring during weeks 31 and 32. A total of 3,225 angler trips produced catches of 54 Chinook, 28 coho, and a catch rate of 0.03 fish per trip.

d/ 1991 includes catch and effort data for the Chinook/Hammond fishery occurring during weeks 31 and 32. A total of 2,759 angler trips produced catches of 39 Chinook, 1,151 coho, and a catch rate of 0.43 fish per trip.

e/ Preliminary.

TABLE B-23. Willapa Bay fall Chinook terminal run size, catch, and spawning escapement in numbers of fish.

	Non-local Stocks	Terminal Catch		Spawning Escapement		
Year or Average	Gillnet Catch[a/]	Gillnet	Sport[b/]	Natural[c/]	Hatchery	Terminal Run Size[d/]
1976-1980	8,660	14,496	419	1,995	4,529	21,439
1981-1985	1,011	7,331	589	1,588	5,398	14,906
1986-1990	2,521	18,173	1,578	5,596	22,458	47,805
1991-1995	1,162	28,082	2,823	2,818	17,086	50,809
1996	-	37,065	3,024	2,153	12,079	54,321
1997	-	12,311	2,404	3,852	13,729	32,296
1998	-	6,765	2,178	3,114	8,658	20,715
1999	-	265	1,906	1,360	6,966	10,497
2000	-	5,902	1,399	2,303	10,455	20,059
2001	-	5,444	2,121	2,161	10,099	19,825
2002	36	9,452	2,532	1,729	13,680	27,429
2003	220	7,488	3,241	2,728	14,631	28,230
2004[e/]	-	4,349	3,851	2,532	21,444	32,176
2005[e/]	-	6,523	6,630	1,804	18,514	33,471
2006[e/]	-	12,334	6,442	3,598	24,569	46,943
2007[e/]	-	4,112	2,579	1,529	14,282	22,502
2008[e/]	-	3,595	NA	NA	NA	NA
GOAL				4,400[f/]	9,800[f/]	

a/ Non-local gillnet is catch in Area 2G prior to Aug. 16.

b/ Adults. Sport catch since 1991 includes marine areas within Willapa Bay (e.g., Washaway Beach).

c/ Escapement estimates after 1984 are based on revised spawning habitat estimates. Natural = adult returns assumed to be from natural origin parents.

d/ Does not include catch of non-local stocks.

e/ Preliminary.

f/ WDFW goal; not an FMP goal.

TABLE B-24. Willapa Bay coho terminal run size, catch, and spawning escapement in numbers of fish.

	Terminal Catch		Spawning Escapement		
Year or Average	Gillnet	Sport[a/]	Natural[b/]	Hatchery[c/]	Terminal Run Size[d/]
1976-1980	15,011	2,842	5,800	14,328	37,981
1981-1985	39,007	2,181	3,567[e/]	26,640	69,968
1986-1990	69,199	2,591	e/	35,811	107,601
1991-1995	34,287	2,802	4,582[e/]	27,205	65,211
1996	38,316	4,052	15,711	48,854	106,933
1997	1,550	806	4,934	6,691	13,981
1998	13,140	852	13,807	6,902	34,701
1999	5,467	2,836	12,355	22,823	43,481
2000	10,193	1,780	23,031	29,387	64,391
2001	31,837	5,689	48,414	54,359	140,299
2002	59,435	5,683	58,703	48,871	172,692
2003	66,460	5,881	49,386	66,115	187,842
2004[f/]	16,533	2,325	44,463	16,443	79,764
2005[f/]	50,031	3,867	30,080	40,944	124,922
2006[f/]	19,914	811	14,413	7,565	42,703
2007[f/]	8,218	955	13,723	9,513	32,409
2008[f/]	16,699	NA	NA	NA	NA
GOAL			13,090[g/]	6,100[g/]	

a/ Adults. Sport catch since 1991 includes marine areas within Williapa Bay (e.g., Washaway Beach).

b/ Natural spawning escapement estimates in 1996, 1997, and 1998 do not include adult fish released upstream of hatchery racks.

c/ Hatchery rack number includes fish released upstream.

d/ Does not include natural spawning escapement between 1984 and 1994.

e/ Estimates of natural spawning escapement were not made between 1984 and 1994.

f/ Preliminary

g/ WDFW goal; not an FMP goal.

TABLE B-25. Grays Harbor Chinook terminal catch, spawning escapement, and run size in numbers of fish. (Page 1 of 2)

Year or Average	Early Non-local Catch	Terminal Catch: Non-Indian Gillnet	Terminal Catch: Treaty Indian Gillnet	Terminal Catch: Chehalis Tribal Gillnet	Terminal Catch: Sport[a/]	Spawning Escapement: Natural[b/]	Spawning Escapement: Hatchery[c/]	Terminal Run Size[d/]
SPRING Chinook								
1976-1980	-	-	-	587	e/	600	-	1,187
1981-1985	-	-	-	57	5	924	-	963
1986-1990	-	-	e/	143	6	1,875	-	2,024
1991-1995	-	-	0	94	15	1,566	-	1,675
1996	-	-	104	127	52	4,462 [f/]	-	4,745
1997	-	-	52	172	160	4,460 [f/]	-	4,844
1998	-	-	6	164	121	2,288	-	2,579
1999	-	-	3	187	76	1,285	-	1,551
2000	-	-	17	174	91	3,135	-	3,417
2001	-	-	4	210	252	2,860	-	3,326
2002	-	-	76	419	124	2,598	-	3,217
2003	-	-	68	0	131	1,904	-	2,103
2004	-	-	54	177	65	5,034	-	5,330
2005	-	-	26	439	88	2,129	-	2,682
2006[g/]	-	-	5	249	128	2,481	-	2,863
2007[g/]	-	-	5	288	54	651	-	NA
2008[g/]	-	-	-	NA	NA	NA	-	NA
GOAL						1,400		

TABLE B-25. Grays Harbor Chinook terminal catch, spawning escapement, and run size in numbers of fish. (Page 2 of 2)

Year or Average	Early Non-local Catch	Terminal Catch: Non-Indian Gillnet	Terminal Catch: Treaty Indian Gillnet	Terminal Catch: Chehalis Tribal Gillnet	Terminal Catch: Sport[a/]	Spawning Escapement: Natural[b/]	Spawning Escapement: Hatchery[c/]	Terminal Run Size[d/]
				FALL Chinook				
1976-1980	4,433	3,642	3,108	1,006	1,128	7	413	13,736
1981-1985	602	964	3,524	465	268	10	742	6,575
1986-1990	694	4,122	10,414	597	1,340	20,692	1,319	39,178 [h/]
1991-1995	206	5,000	7,750	901	3,794	14,276	3,006	34,934 [h/]
1996	148	1,441	4,068	49	7,456	20,227	4,307	37,696 [h/]
1997	24	2,796	6,630	311	2,687	18,168	2,416	33,032 [h/]
1998	5	267	4,135	0	2,912	12,539	1,921	21,779 [h/]
1999	0	87	1,926	1	114	10,363	1,990	14,481 [h/]
2000	671	647	3,289	0	1,714	9,250	1,450	17,021
2001	0	2,523	3,885	0	3,210	9,491	1,121	20,230
2002	40	26	963	0	2,955	11,343	2,006	17,333
2003	0	295	851	0	1,031	19,417	2,858	24,452
2004	0	183	3,498	0	6,158	29,273	2,695	41,807
2005	0	379	2,260	21	465	19,499	3,536	26,160
2006[g/]	0	195	3,738	127	1,635	17,113	2,845	25,653
2007[g/]	0	514	2,470	239	1,700	12,440	1,072	18,435
2008[g/]	0	717	1,878	731	NA	NA	NA	NA
GOAL						14,600		

a/ Age-3 and older.

b/ Age-3 and older, including hatchery fish spawning naturally.

c/ Includes naturally spawning fish taken for broodstock.

d/ Minimum estimate due to incomplete estimates of river recreational catch. Does not include non-local catch.

e/ Fewer than 50 fish.

f/ WDFW is not able to differentiate spawning time and believes this includes fall Chinook.

g/ Preliminary.

h/ Recreational catch estimates by WDFW reflect application of catch record card bias correction factor of 0.833. Quinault Indian Nation does not believe this factor is appropriate for this fishery. Unadjusted catch estimates are 1,000 for 1987; 2,400 for 1988; 2,500 for 1989; 2,400 for 1990; 4,500 for 1991; 2,600 for 1992; 4,200 for 1993; 4,300 for 1994; 6,500 for 1995; 6,800 for 1996; 3,400 for 1997; 3,500 for 1998; and 0.1 for 1999; terminal run sizes would be adjusted accordingly.

TABLE B-26. Grays Harbor coho terminal catch, spawning escapement, and run size estimates in numbers of fish.

Year or Average	Terminal Catch: Non-Indian Gillnet	Terminal Catch: Treaty Indian Gillnet	Terminal Catch: Chehalis Tribal Gillnet	Terminal Catch: Sport[a/]	Spawning Escapement[b/]: Natural	Spawning Escapement[b/]: Hatchery	Terminal Run Size: Natural	Terminal Run Size: Hatchery	Terminal Run Size: Total[c/]
1976-1980	5,231	9,675	3,500	2,021	29,510	10,207	44,430	17,933	61,088
1981-1985	5,299	15,614	2,863	5,012	36,847	19,869	42,974	32,432	75,405
1986-1990	7,715	30,109	1,817	5,355	44,836	39,348	53,030	65,193	118,223
1991-1995	12,502	29,745	2,716	10,503	36,516	38,116	52,159	69,929	122,087
1996	10,096	51,812	2,915	20,846	63,572	60,926	88,590	107,407	195,997
1997	115	5,548	125	1,547	22,469	18,394	19,196	22,465	41,661
1998	795	13,586	361	2,123	35,551	21,688	40,355	29,836	70,190
1999	1,674	12,212	797	4,507	33,346	34,111	38,112	45,006	83,118
2000	4,995	10,947	331	5,122	38,054	30,996	42,085	45,211	87,296
2001	3,152	15,671	533	20,868	80,100	96,474	73,656	131,523	205,179
2002	6,853	14,518	666	13,083	110,066	61,831	111,192	78,633	189,825
2003	6,623	12,041	1,000	12,026	84,952	70,124	93,650	91,383	185,032
2004	5,231	17,431	977	9,847	61,698	61,653	62,525	78,716	141,241
2005	3,073	22,649	4,400	11,043	45,086	57,134	54,695	78,255	132,950
2006[d/]	649	8,708	1,692	2,151	14,539	18,845	17,553	26,317	43,870
2007[d/]	1,687	8,839	NA	4,440	24,269	18,921	32,166	27,982	60,148
2008[d/]	7,783	10,122	NA	NA	NA	NA	NA	NA	NA
GOAL					35,400				

a/ Beginning in 1987, estimates provided by WDFW for recreational catch reflect punch card bias correction factor.

b/ "Natural" includes hatchery fish spawning in wild. "Hatchery" includes wild fish taken for broodstock.

c/ The combined natural and hatchery run size total may not add to the sum of the catch and escapements due to hatchery total run size including on-station and off-station escapements.

d/ Preliminary.

TABLE B-27. Treaty Indian gillnet catch of Chinook, chum, and sockeye salmon in the Quinault River in numbers of fish.

Year or Average	Spring/Summer Chinook[a/]	Fall Chinook[a/]	Chum	Sockeye
1976-1980	149	4,320	7,960	17,560
1981-1985	114	5,100	4,720	12,600
1986-1990	338	8,822	4,686	11,218
1991-1995	98	6,293	2,505	9,523
1996	41	5,221	594	1,244
1997	19	2,625	1,033	2,532
1998	75	6,124	4,699	3,440
1999	10	4,840	599	73
2000	0	3,421	755	0
2001	5	4,047	2,009	0
2002	36	4,542	1,151	16,939
2003	92	7,343	3,742	37,130
2004	142	10,662	2,916	6,990
2005	24	7,648	1,283	116
2006[b/]	16	7,044	862	1
2007[b/]	<20	2,125	1,173	1
2008[b/]	10	3,682	1,171	0

a/ Preliminary. Stock separation under review.

b/ Preliminary.

TABLE B-28. Estimated inriver run size, catch and escapement for Quinault River coho in numbers of fish.

Year or Average	Terminal Catch[a/]			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport	Natural	Hatchery	Natural	Hatchery	Total
1977-1980	9,750	-	-	3,425	3,107	8,465	7,750	16,215
1981-1985	10,700	-	-	3,237	6,239	7,809	12,657	20,466
1986-1990	13,777	-	-	3,185	4,239	8,024	13,200	21,224
1991-1995	7,963	-	-	4,319	8,046	6,205	13,472	19,678
1996	10,087	-	-	13,327	9,521	18,849	13,865	32,714
1997	365	-	-	3,150	1,054	3,339	1,118	4,457
1998	5,946	-	-	3,770	3,158	7,156	5,581	12,737
1999	15,491	-	-	12,666	14,617	19,138	23,101	42,239
2000	16,194	-	-	7,421	9,481	14,559	18,099	32,658
2001	25,348	-	-	21,565	30,689	30,016	47,115	77,131
2002	19,197	-	-	12,213	16,841	16,847	30,196	47,043
2003	22,546	-	-	4,710	16,841	9,546	34,132	43,678
2004	17,055	-	-	1,404	10,321	3,377	24,821	28,198
2005	23,852	-	-	6,418	10,034	15,951	25,574	41,525
2006[b/]	9,785	336	325	1,107	3,198	3,429	11,023	14,751
2007[b/]	11,770	-	-	6,193	15,069	9,778	24,395	34,260
2008[b/]	25,185	-	-	NA	NA	NA	NA	NA
GOAL					Hatchery Production			

a/ Ceremonial, subsistence, and recreational catch negligible. Includes dip-in fish destined for other river systems.

b/ Preliminary.

TABLE B-29. Estimated inriver run size, catch, and escapement of Queets River spring/summer Chinook in numbers of fish.

Year or Average	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[a/]	Natural[b/]	Hatchery	Natural	Hatchery	Total
1976-1980	267	18	53	851	24	1,176	37	1,078
1981-1985	243	20	27	890	52	956	74	1,209
1986-1990	646	46	67	1,527	-	2,287	-	2,287
1991-1995	64	5	10	610	-	689	-	688
1996	43	3	69	776	-	891	-	891
1997	72	10	71	540	-	693	-	693
1998	18	27	-	492	-	537	-	537
1999	12	41	-	373	-	426	-	426
2000	-	2	-	248	-	250	-	250
2001	-	17	-	548	-	565	-	565
2002	-	17	-	738	-	755	-	755
2003	-	6	-	189	-	195	-	195
2004	-	15	-	604	-	619	-	619
2005	-	8	-	298	-	306	-	306
2006	-	6	-	330	-	336	-	336
2007	-	6	-	352	-	358	-	358
2008[c/]	-	<3	-	305	-	305	-	305
GOAL				700[d/]				

a/ River catch of adults.

b/ Natural escapement includes hatchery strays.

c/ Preliminary.

d/ Minimum. Terminal run managed at 30 percent exploitation rate of inriver run size.

TABLE B-30. Estimated inriver run size, catch, and escapement of Queets River fall Chinook in numbers of fish.

	Terminal Catch			Escapement	Terminal Run Size		
Average	Gillnet	Ceremonial & Subsistence	River Sport[a/]	Natural[b/]	Natural [c/]	Indicator [d/]	Total
1976-1980	1,540	100	36	2,820	4,320	-	4,320
1981-1985	2,104	20	135	3,930	5,691	591	6,282
1986-1990	2,430	20	214	8,768	10,677	861	11,538
1991-1995	1,860	20	109	4,106	5,511	708	6,219
1996	1,307	20	238	4,218	4,693	1,234	5,927
1997	1,708	20	210	2,872	4,122	823	4,945
1998	804	20	347	3,859	5,009	164	5,173
1999	947	20	93	1,918	2,885	220	3,105
2000	262	20	50	3,755	3,752	395	4,147
2001	1,366	64	285	3,099	3,604	1,204	4,808
2002	2,887	69	20	2,589	4,377	1,184	5,561
2003	1,322	93	278	4,979	5,203	1,415	6,618
2004	1,228	93	370	5,105	4,778	2,019	6,797
2005	1,648	90	441	4,557	4,521	2,213	6,734
2006	1,079	57	71	3,051	3,255	1,003	4,258
2007[d/]	634	20	74	878	1,293	307	1,600
2008[d/]	1,022	NA	NA	NA	NA	NA	NA
GOAL				2,500[e/]			

a/ River sport catch of age-3 and older fish. The 2000 sport fishery was closed to retention of unmarked Chinook. The 2002 sport fishery was closed to Chinook retention on October 18 due to unusually low water conditions.

b/ Includes Indicator Stock. Estimates for years prior to 2001 assume a broodstock take of 150 as a placeholder until individual run reconstructions are complete.

c/ Includes from 100 to 200 wild Chinook captured each season near spawning grounds to be used as Indicator broodstock.

d/ This is an integrated wild/hatchery program. Broodstock are unmarked wild fish collected from river.

e/ Minimum. Terminal run managed at 40 percent exploitation rate of terminal run size.

TABLE B-31. Estimated terminal run size, catch, and escapement for Queets River coho in numbers of fish.

Year or Average	Terminal Catch[a/]			Escapement			Terminal Run Size			
	Gillnet	Ceremonial & Subsistence	River Sport[b/]	Natural[c/]	Supplemental[d/]	Hatchery	Natural[c/]	Supplemental	Hatchery	Total
1976-1980	2,440	60	140	3,460	-	1,000	5,100	-	1,640	6,740
1981-1985	2,385	20	104	5,457	-	2,654	6,414	-	3,794	10,208
1986-1990	8,455	18	241	4,824	2,128	3,366	6,357	2,988	9,357	17,507
1991-1995	4,423	285	273	5,019	954	3,351	5,888	1,113	6,912	13,690
1996	16,035	920	279	8,993	3,574	5,191	10,715	5,319	17,646	33,680
1997	3,087	222	106	1,851	d/	2,137	1,970	d/	5,086	7,056
1998	7,411	452	135	4,102	1,413	3,504	4,576	1,562	10,364	16,502
1999	3,974	381	119	4,791	521	3,551	5,029	557	7,061	12,647
2000	5,066	479	223	7,939	682	3,849	8,498	702	5,619	14,819
2001	13,722	1,287	1,554	23,769	851	5,949	28,306	2,082	13,752	44,140
2002	23,712	1,009	399	13,968	1,065	2,307	16,101	1,308	21,321	38,730
2003	12,693	921	743	9,846	1,081	5,856	13,228	1,343	15,763	30,334
2004[e/]	8,189	657	1,287	7,484	1,225	3,260	10,040	1,675	10,544	22,259
2005[e/]	20,810	989	873	6,539	432	7,816	9,625	541	26,045	36,211
2006[e/]	6,190	353	52	5,709	0	2,895	6,500	0	7,001	13,501
2007	2,261	304	153	4,600	0	1,954	5,983	0	2,848	8,830
2008[f/]	4,667	NA	NA	NA	0	NA	NA	0	NA	NA
GOAL				5,800-14,500						

a/ Includes dip-in fish from other river systems.

b/ Recreational catch of adults (coho over 20 inches).

c/ Natural escapement and run sizes estimates include fish taken for hatchery brood stock.

d/ 1991 and 1997 supplemental was included in natural escapement and run size.

e/ Poor conditions during the coho spawner survey season precluded conduct of an independed spawner escapement estimate.

f/ Preliminary. In-season effort model used to scale run size to observed catch and effort, natural escapement, and actual hatchery rack escapement.

TABLE B-32. Estimated inriver run size, catch, and escapement for Hoh River spring/summer Chinook in numbers of fish.

Year or Average	Terminal Catch[a/]			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[b/]	Natural	Hatchery	Natural	Hatchery	Total
1976-1980	640	52	84	1,040	0	1,835	0	1,835
1981-1985	448	30	124	1,431	50	1,944	128	2,073
1986-1990	1,072	33	315	2,829	34	4,043	257	4,300
1991-1995	432	22	273	1,268	0	1,852	156	2,008
1996	471	30	267	1,371	16	2,083	114	2,197
1997	416	57	331	1,826	0	2,582	53	2,635
1998	294	20	288	1,287	0	1,880	28	1,908
1999[c/]	155	20	52	928	99	1,081	171	1,252
2000[d/]	87	38	21	492	0	529	116	645
2001[d/]	134	39	43	1,159	0	1,231	101	1,332
2002[e/]	587	37	372	2,464	0	3,375	85	3,460
2003[e/]	296	20	206	1,228	0	1,646	104	1,750
2004[e/]	401	20	102	1,786	0	2,239	70	2,309
2005[e/]	323	36	73	1,193	0	1,389	217	1,606
2006[e/]	576	37	109	904	0	1,061	571	1,632
2007[e/f/]	760	68	96	810	0	1,034	592	1,626
2008[e/f/g/]	249	50	NA	550	0	582	267	849
GOAL				900[h/]				

a/ Beginning in 1981, catch breakouts recalculated to account for Solduc hatchery yearling release dip-in fish.

b/ Recreational catch of adults (at least 24 inches total length).

c/ Sport fishery closed until July 14.

d/ Sport fishery closed through August 31 to retention of wild adult spring/summer Chinook. Sport catch reflects retention of hatchery fish only.

e/ Sport fishery open May 16 through August 31 from mouth to Willoughby Creek.

f/ Preliminary.

g/ 2008 gillnet catch was 227 hatchery and 22 natural; 2008 ceremonial & subsistance catch was 40 hatchery and 10 natural.

h/ Minimum. Terminal run managed at 31 percent harvest rate of inriver run size.

TABLE B-33. Estimated inriver run size, catch, and escapement for Hoh River fall Chinook in numbers of fish.

Year or Average	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[a/]	Natural[b/]	Hatchery	Natural[b/]	Hatchery	Total
1976-1980	760	36	37	2,080	-	2,960	-	2,960
1981-1985	849	36	59	2,745	20	3,684	100	3,764
1986-1990	2,000	32	213	4,500	33	6,819	88	6,907
1991-1995	871	27	233	2,774	0	3,590	65	3,655
1996	836	30	192	3,022	0	4,061	19	4,080
1997	1,114	35	164	1,773	0	3,034	52	3,086
1998	846	30	268	4,257	0	5,388	13	5,401
1999	596	30	413	1,924	0	2,941	22	2,963
2000	404	20	479	1,749	0	2,632	20	2,652
2001	946	40	600	2,560	0	4,116	120	4,236
2002[c/]	1,461	30	134	4,415	82	5,716	406	6,122
2003	517	30	216	1,649	32	2,345	99	2,444
2004	815	30	400	3,211	26	4,410	72	4,482
2005	970	21	229	4,180	14	5,337	77	5,414
2006	586	30	204	1,535	0	2,324	19	2,343
2007[d/]	660	30	192	1,556	0	2,427	11	2,438
2008[d/]	659	0	NA	1,774	0	2,408	25	2,433
GOAL				1,200[e/]				

a/ Recreational catch of age-3 and older fish.

b/ Includes fish taken for hatchery brood stock.

c/ Low water in October and early November delayed upstream migration, prompting closure of the sport fishery to Chinook retention on October 19 for the remainder of season. Tribal gillnet fishery closed weeks 44 and 45.

d/ Preliminary.

e/ Minimum. Terminal run managed at 40 percent harvest rate of inriver run size through 1996; for 1997 and 1998, fishing regimes were designed to target a range near 40 percent.

TABLE B-34. Estimated inriver run size, catch, and escapement for Hoh River coho in numbers of fish.

Year or Average	Terminal Catch[a/]			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence	River Sport[b/]	Natural[c/]	Hatchery	Natural[c/]	Hatchery	Total
1976-1980	1,960	74	28	2,700	39	4,683	259	4,942
1981-1985	1,604	48	22	3,371	92	4,655	452	5,107
1986-1990	2,507	30	165	3,145	238	5,221	760	5,981
1991-1995	801	26	168	3,078	122	3,816	379	4,195
1996	972	50	101	4,858	0	5,835	146	5,981
1997[d/]	85	25	4	1,386	0	1,449	51	1,500
1998	650	20	213	4,418	0	5,184	118	5,302
1999	1,706	25	256	4,594	0	6,293	308	6,601
2000	1,932	20	280	6,772	0	8,831	173	9,004
2001	3,909	40	786	10,773	840	14,801	1,547	16,348
2002[e/]	3,114	30	401	9,009	1,922	11,254	3,222	14,476
2003	1,872	20	350	6,273	645	8,118	1,021	9,139
2004	1,255	20	437	4,702	14	6,291	137	6,428
2005	3,830	30	280	4,711	732	8,294	1,259	9,553
2006	1,313	30	108	1,282	0	2,267	466	2,733
2007[f/]	1,764	30	305	3,072	0	5,120	51	5,171
2008[f/]	1,788	4	NA	2,378	0	4,017	153	4,170
GOAL				2,000 to 5,000				

a/ Includes dip-in fish from other river systems.

b/ Recreational catch of adults (coho over 20 inches).

c/ Natural escapement and run sizes estimates include fish taken for hatchery brood stock.

d/ Recreational fishermen were limited to Chinook only. Release of adult coho required. Tribal net fishery used large mesh to minimize coho impacts.

e/ Sport and tribal gillnet seasons reduced inseason in response to delayed upriver movement of coho caused by extreme low water conditions in October and early November. Closures were for two weeks.

f/ Preliminary.

TABLE B-35. Estimated inriver run size, catch, and escapement for Quillayute River spring/summer Chinook in numbers of fish.

Year or Average	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence[a/]	River Sport[b/]	Natural[c/]	Hatchery[d/]	Natural[c/]	Hatchery[d/]	Total
1976-1980	2,520	20	380	2,093	800	-	-	3,698
1981-1985	700	20	48	731	260	-	-	1,164
1986-1990	1,631	22	258	1,602	1,003	3,085	2,503	4,341
1991-1995	893	25	293	1,159	832	1,444	1,758	3,202
1996	136	50	257	1,170	226	1,388	426	1,814
1997	106	50	263	890	198	1,177	305	1,482
1998	199	50	128	1,599	247	1,829	369	2,198
1999	368	50	238	713	596	818	1,147	1,965
2000	254	50	307	989	227	1,149	678	1,827
2001	330	50	353	1,225	973	1,399	1,515	2,914
2002	419	50	367	1,002	836	1,100	1,573	2,673
2003	184	50	343	1,219	1,250	1,308	1,738	3,046
2004	217	50	341	1,093	763	1,259	1,195	2,454
2005	332	3	479	876	801	1,033	1,467	2,500
2006	688	0	318	553	1,032	604	1,987	2,591
2007[e/]	800	0	180	502	1,007	568	1,921	2,489
2008[e/f/]	993	40	NA	904	796	1,036	1,697	2,733
GOAL				1,200[g/]				

a/ Beginning in 2005, ceremonial and subsistence catch taken during scheduled gillnet fishery isreported as gillnet catch. Catch during designated ceremonial and subsistence fisheries is listed sepatately.

b/ Recreational catch of adults; mark selective for adipose fin clipped coho beginning in 2003.

c/ Natural escapement includes hatchery strays and broodstock fish.

d/ Hatchery escapement and terminal run size exclude hatchery strays.

e/ Preliminary.

f/ Terminal run size estimates incomplete because inriver sport catch estimates are unavailable.

g/ FMP goal is adults; WDFW goal of 1,200 includes age-3 males (jacks).

TABLE B-36. Estimated inriver run size, catch, and escapement for Quillayute River fall Chinook in numbers of fish.

Year or Average	Terminal Catch			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence[a/]	River Sport[b/]	Natural[c/]	Hatchery[d/]	Natural[c/]	Hatchery[d/]	Total
1976-1980	2,640	20	220	4,220	144	6,540	640	7,180
1981-1985	2,075	50	131	6,282	77	8,219	305	8,525
1986-1990	5,475	50	564	12,238	112	18,004	379	18,383
1991-1995	713	50	289	5,670	11	6,705	29	6,733
1996	1,377	100	500	7,316	0	9,293	0	9,293
1997	282	50	310	5,405	0	6,047	0	6,047
1998	762	100	326	6,752	0	7,940	0	7,940
1999	1,129	100	195	3,334	0	4,758	0	4,758
2000	604	100	360	3,730	0	4,794	0	4,794
2001	1,650	100	659	5,136	0	7,545	0	7,545
2002	3,074	100	271	6,067	0	9,512	0	9,512
2003	1,345	100	626	7,398	0	9,469	23	9,492
2004	527	100	681	3,831	0	6,133	12	6,145
2005	1,414	0	499	6,406	0	8,319	32	8,351
2006	1,969	0	35	5,642	0	7,656	15	7,671
2007[e/]	905	0	166	3,066	0	4,137	0	4,137
2008[e/f/]	1,427	0	NA	4,306	0	5,727	6	5,733
GOAL				3,000[g/]				

a/ Beginning in 2005, ceremonial and subsistence catch taken during scheduled gillnet fishery isreported as gillnet catch.

b/ River recreational catch of age-3 and older fish.

c/ Includes fish taken for hatchery brood stock and hatchery strays.

d/ Hatchery escapement and terminal run size exclude hatchery strays.

e/ Preliminary.

f/ Terminal run size estimates incomplete since inriver sport catch estimates are unavailable.

g/ Minimum. Terminal run managed at 40 percent harvest rate.

TABLE B-37. Estimated inriver run size, catch, and escapement for Quillayute River coho stocks in numbers of fish. (Page 1 of 2)

Year or Average	Terminal Catch[a/]			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence[b/]	River Sport[c/]	Natural[d/]	Hatchery[e/]	Natural[d/]	Hatchery[e/]	Total
				SUMMER COHO				
1976-1980	5,038	56	266	1,192	4,565	1,962	9,154	11,116
1981-1985	4,062	50	105	946	2,744	2,106	5,802	7,908
1986-1990	3,204	50	94	723	4,001	1,643	6,430	8,072
1991-1995	1,286	50	191	784	6,501	989	7,823	8,812
1996	2,552	50	189	465	3,400	801	5,855	6,656
1997	70	50	14	753	1,509	798	1,598	2,396
1998	1,310	50	93	346	1,688	593	2,894	3,487
1999	945	50	292	624	7,527	723	8,715	9,438
2000	1,188	50	278	1,001	3,745	1,237	5,025	6,262
2001	2,196	50	590	961	12,993	1,841	14,949	16,790
2002	3,982	50	150	1,012	3,939	2,099	7,034	9,133
2003	2,412	50	326	505	6,539	1,472	8,360	9,832
2004	1,337	50	343	1,269	6,527	1,874	7,652	9,526
2005	10,273	0	487	1,218	7,182	2,197	16,963	19,160
2006	2,413	0	141	604	1,832	1,620	3,222	4,842
2007[f/]	645	0	200	792	4,778	1,029	5,399	6,428
2008[f/g/]	1,376	0	NA	574	6,419	898	7,491	8,389
GOAL				Hatchery Production				

TABLE B-37. Estimated inriver run size, catch, and escapement for Quillayute River coho stocks in numbers of fish. (Page 2 of 2)

Year or Average	Terminal Catch[a/]			Escapement		Terminal Run Size		
	Gillnet	Ceremonial & Subsistence[b/]	River Sport[c/]	Natural[d/]	Hatchery[e/]	Natural[d/]	Hatchery[e/]	Total
FALL COHO								
1976-1980	5,985	53	70	9,002	2,435	13,959	3,587	17,546
1981-1985	3,789	49	164	7,464	2,102	10,988	2,580	13,568
1986-1990	5,794	100	385	8,766	1,771	14,119	2,695	16,815
1991-1995	3,598	100	565	7,357	4,736	9,930	6,426	16,356
1996	8,419	100	1,336	11,009	11,515	14,596	17,783	32,379
1997	456	50	38[h/]	4,623	2,645	5,021	2,791	7,812
1998	4,606	50	1,340	13,866	12,834	16,980	15,716	32,696
1999	22,946	50	1,054	9,365	13,528	19,524	27,515	47,039
2000	5,606	50	1,059	13,343	13,118	17,706	15,470	33,176
2001	23,991	50	2,620	18,876	23,892	36,714	32,715	69,429
2002	22,214	50	2,002	23,016	30,656	34,695	43,243	77,938
2003	13,949	50	2,533	14,756	13,799	25,188	19,899	45,087
2004	19,321	50	2,831	13,354	21,248	25,118	31,687	56,805
2005	29,530	0	3,420	11,501	24,137	22,125	46,463	68,588
2006	9,643	0	291	5,210	4,450	12,195	7,433	19,628
2007[f/]	10,152	10	826	6,232	5,423	10,942	11,711	22,653
2008[f/g/]	15,962	10	NA	6,358	12,098	12,707	22,583	35,290
GOAL				6,300-15,800				

a/ Includes dip-in fish from other systems.

b/ Beginning in 2005, ceremonial and subsistence catch taken during scheduled gillnet fishery isreported as gillnet catch. Catch during designated ceremonial and subsistence fisheries is listed sepatately.

c/ Recreational catch of adults (coho over 20 inches).

d/ Natural escapement and run size estimates include fish taken for hatchery brood stock.

e/ Hatchery escapement and terminal run size exclude hatchery strays.

f/ Preliminary.

g/ Terminal run size estimates incomplete since inriver sport catch estimates are unavailable.

h/ Regulations required nonretention of coho.

TABLE B-38. Puget Sound commercial net and troll fishery salmon catches in numbers of fish.[a/] (Page 1 of 2)

Year or Average	Fishery	Chinook	Coho	Pink[b/]	Chum	Sockeye
1971-1975	Non-Indian	105,332	525,867	1,172,614	331,029	2,158,784
	Treaty Indian	57,672	224,743	61,818	78,266	38,225
	Total	163,005	750,610	1,234,433	409,295	2,197,009
1976-1980	Non-Indian	103,546	413,583	1,050,560	407,859	1,095,603
	Treaty Indian	135,592	492,549	185,831	296,057	277,771
	Total	239,138	906,132	1,236,391	703,916	1,373,374
1981-1985	Non-Indian	72,934	346,125	1,154,851	368,762	928,477
	Treaty Indian	155,966	608,241	829,340	387,951	912,408
	Total	228,899	954,366	1,984,191	756,713	1,840,885
1986-1990	Non-Indian	57,550	470,494	509,445	540,843	964,690
	Treaty Indian	176,966	812,712	590,138	662,215	1,028,361
	Total	234,516	1,283,206	1,099,583	1,203,058	1,993,051
1991-1995	Non-Indian	17,519	74,371	784,067	523,396	735,834
	Treaty Indian	82,513	316,784	832,948	607,028	741,058
	Total	100,033	391,155	1,617,015	1,130,424	1,476,892
1996	Non-Indian	9,046	19,218	2	530,372	50,474
	Treaty Indian	67,061	153,748	58	264,486	286,187
	Total	76,107	172,966	60	794,858	336,661
1997	Non-Indian	21,894	10,454	869,345	229,261	690,236
	Treaty Indian	56,638	133,150	1,007,380	188,850	678,489
	Total	78,532	143,604	1,876,725	418,111	1,368,725
1998	Non-Indian	12,428	12,538	352	505,349	229,313
	Treaty Indian	43,273	148,441	512	320,122	308,446
	Total	55,701	160,979	864	825,471	537,759
1999	Non-Indian	9,512	11,902	1,109	133,404	37
	Treaty Indian	83,686	102,278	51,432	117,763	20,495
	Total	93,198	114,180	52,541	251,167	20,532

TABLE B-38. Puget Sound commercial net and troll fishery salmon catches in numbers of fish.[a/] (Page 2 of 2)

Year or Average	Fishery	Chinook	Coho	Pink[b/]	Chum	Sockeye
2000	Non-Indian	11,468	21,910	9	140,611	230,379
	Treaty Indian	71,551	386,714	346	159,477	315,628
	Total	83,019	408,624	355	300,088	546,007
2001	Non-Indian	18,029	28,299	463,083	824,328	85,112
	Treaty Indian	109,865	366,011	319,553	777,019	170,309
	Total	127,894	394,310	782,636	1,601,347	255,421
2002[c/]	Non-Indian	17,628	24,459	7	1,117,666	141,456
	Treaty Indian	98,251	286,500	327	833,497	339,773
	Total	115,879	310,959	334	1,951,163	481,229
2003[c/]	Non-Indian	8,567	18,105	683,393	764,132	90,618
	Treaty Indian	84,680	244,091	556,943	814,212	183,670
	Total	93,247	262,196	1,240,336	1,578,344	274,288
2004[c/]	Non-Indian	5,042	39,481	4	1,174,295	81,031
	Treaty Indian	99,741	529,668	712	934,155	137,699
	Total	104,783	569,149	716	2,108,450	218,730
2005[c/]	Non-Indian	6,236	19,694	144,567	383,127	65,931
	Treaty Indian	86,071	296,637	243,012	351,416	141,747
	Total	92,307	316,331	387,579	734,543	207,678
2006[c/]	Non-Indian	13,298	9,863	6	877,758	223,980
	Treaty Indian	134,604	292,448	195	546,812	543,546
	Total	147,902	302,311	201	1,424,570	767,526
2007[c/]	Non-Indian	6,785	13,435	200,687	680,250	6,266
	Treaty Indian	115,263	212,925	313,383	782,907	7,334
	Total	122,048	226,360	514,070	1,463,157	13,600
2008[c/]	Non-Indian	6,119	6,448	14	449,249	16,319
	Treaty Indian	99,044	204,983	729	455,839	44,927
	Total	105,163	211,431	743	905,088	61,246

a/ Data does not reflect treaty Indian allocations. Includes U.S. and Canadian-origin salmon and fish caught in test fisheries.

b/ Odd-year averages for pink salmon.

c/ Preliminary.

TABLE B-39. Summary of Puget Sound marine recreational salmon catch estimates in numbers of fish from catch record cards.[a/])

Year or Average	Chinook	Coho	Pink[b/]
1971-1975	225,650	119,301	14,855
1976-1980	253,763	202,983	47,029
1981-1985[c/]	156,183	196,632	14,910
1986-1990[c/d/e/]	127,860	251,087	40,884
1991-1995[e/f/]	77,310	137,637	71,030
1996[e/]	72,069	85,139	50
1997[e/]	60,425	137,571	35,197
1998[e/]	26,114	89,520	201
1999[e/]	28,739	22,055	23,780
2000[e/]	23,679	74,934	17
2001[e/]	44,422	193,454	117,367
2002[e/g/]	30,743	66,576	31
2003[e/g/]	30,859	101,561	148,965
2004[e/g/]	27,121	88,036	213
2005[e/g/]	22,758	62,110	68,166
2006[e/g/]	29,512	29,726	23
2007[e/g/]	50,357	77,475	105,831
2008[e/g/]	NA	NA	NA

a/ WDFW Statistical Areas 5 through 13, which include the Strait of Juan de Fuca, San Juan Islands, and inner Puget Sound.

b/ Odd-year averages for pink salmon.

c/ 1981-1987: Adjusted all Puget Sound and freshwater estimates by 0.833, due to previous estimates being 20% too high.

d/ 1988: Area 5, no adjustment. Areas 6-13 adjusted by 0.633, due to estimates being 58% too high.

e/ 1989-Present: Area 5, no adjustment. Areas 6-13 adjusted by 0.685, due to estimates being 46% too high.

f/ 1991, 1992, and 1993 catch record card estimates adjusted for results of 1987-1990 WDFW/tribal sports emphasis study.

g/ Preliminary.

TABLE B-40. Puget Sound reported commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound Chinook stocks.[a/] (Page 1 of 4)

Year or Average	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[c/]		
	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total
Strait of Juan de Fuca									
1981-1985	57	126	183	811	1,450	2,261	868	1,576	2,444
1986-1990	136	456	591	1,276	4,755	6,031	1,411	5,211	6,622
1991-1995	69	108	177	979	2,390	3,369	1,048	2,498	3,546
1996	6	8	14	1,380	1,944	3,324	1,386	1,952	3,338
1997	14	42	56	938	2,823	3,761	952	2,865	3,817
1998	6	6	12	1,676	2,056	3,732	1,682	2,062	3,744
1999	10	15	25	726	2,675	3,401	736	2,690	3,426
2000	3	5	8	1,244	1,683	2,927	1,247	1,688	2,935
2001[d/]	4	4	8	1,660	1,947	3,607	1,664	1,951	3,615
2002[d/]	5	6	11	1,558	2,182	3,740	1,563	2,188	3,751
2003[d/]	6	15	21	1,258	2,787	4,045	1,264	2,802	4,066
2004[d/]	5	16	21	1,364	4,044	5,408	1,369	4,060	5,429
2005[d/]	3	7	10	1,401	1,961	3,362	1,404	1,968	3,372
2006[d/]	8	13	21	1,236	3,007	4,243	1,244	3,020	4,264
2007[d/]	4	3	7	765	1,255	2,020	769	1,258	2,027
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL						5,300			
Nooksack-Samish									
1981-1985	54,054	33,567	87,621	16,083	6,541	22,623	70,137	40,107	110,244
1986-1990	38,058	26,273	64,330	10,729	4,127	14,856	48,786	30,400	79,186
1991-1995	18,245	2,294	20,539	8,646	731	9,376	26,891	3,025	29,916
1996	18,028	1,327	19,355	9,026	866	9,892	27,054	2,193	29,247
1997	18,200	3,743	21,943	15,775	3,985	19,760	33,975	7,728	41,703
1998	16,239	5,006	21,245	7,706	2,539	10,245	23,945	7,545	31,490
1999	25,724	6,804	32,528	6,962	2,598	9,560	32,686	9,402	42,088
2000	26,207	2,274	28,481	3,732	432	4,164	29,939	2,706	32,645
2001[d/]	22,280	27,163	49,443	6,301	9,017	15,318	28,581	36,180	64,761
2002[d/]	11,646	27,076	38,722	4,281	11,307	15,588	15,927	38,383	54,310
2003[d/]	6,604	12,249	18,853	3,303	7,864	11,167	9,907	20,113	30,020
2004[d/]	4,721	5,913	10,634	2,967	4,325	7,292	7,688	10,238	17,926
2005[d/]	8,785	3,582	12,367	2,439	1,411	3,850	11,224	4,993	16,217
2006[d/]	18,720	6,652	25,372	3,489	1,544	5,033	22,209	8,196	30,405
2007[d/]	9,987	7,462	17,449	4,256	4,190	8,446	14,243	11,652	25,895
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				1,800					

TABLE B-40. Puget Sound reported commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound Chinook stocks.[a/]
(Page 2 of 4)

Year or Average	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[c/]		
	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total
				Skagit					
1981-1985	595	9,162	9,757	787	11,109	11,896	1,382	20,271	21,653
1986-1990	251	4,043	4,294	815	12,452	13,267	1,066	16,495	17,561
1991-1995	463	1,583	2,046	2,402	6,284	8,686	2,865	7,868	10,732
1996	21	209	230	1,133	10,706	11,839	1,154	10,915	12,069
1997	0	1,145	1,145	0	4,951	4,951	0	6,096	6,096
1998	0	321	321	0	14,700	14,700	0	15,021	15,021
1999	0	262	262	0	5,002	5,002	0	5,264	5,264
2000	0	321	321	0	17,024	17,024	0	17,345	17,345
2001[d/]	0	251	251	0	13,868	13,868	0	14,119	14,119
2002[d/]	1	323	324	101	19,676	19,777	102	19,999	20,101
2003[d/]	10	322	332	298	9,964	10,262	308	10,286	10,594
2004[d/]	0	559	559	0	23,750	23,750	0	24,309	24,309
2005[d/]	41	2,573	2,614	331	20,803	21,134	372	23,376	23,748
2006[d/]	30	1,693	1,723	368	20,819	21,187	398	22,512	22,910
2007[d/]	54	1,653	1,707	370	11,291	11,661	424	12,944	13,368
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL					14,900				
				Hood Canal					
1981-1985	4,918	3,649	8,567	3,787	2,038	5,824	8,705	5,686	14,391
1986-1990	10,493	4,938	15,432	6,189	2,006	8,195	16,682	6,944	23,626
1991-1995	1,830	1,020	2,850	3,946	1,408	5,355	5,776	2,429	8,205
1996	31	4	35	7,103	1,028	8,131	7,134	1,032	8,166
1997	118	7	125	7,295	492	7,787	7,413	499	7,912
1998	111	5	116	13,436	1,640	15,076	13,547	1,645	15,192
1999	1,302	202	1,504	18,361	2,895	21,256	19,663	3,097	22,760
2000	1,446	151	1,597	8,816	1,792	10,608	10,262	1,943	12,205
2001[d/]	10,232	422	10,654	13,042	3,002	16,044	23,274	3,424	26,698
2002[d/]	24,625	478	25,103	12,881	1,725	14,606	37,506	2,203	39,709
2003[d/]	21,150	391	21,541	13,643	1,512	15,155	34,793	1,903	36,696
2004[d/]	20,868	1,679	22,547	15,666	3,663	19,329	36,534	5,342	41,876
2005[d/]	43,996	1,703	45,699	19,782	2,775	22,557	63,778	4,478	68,256
2006[d/]	27,350	1,343	28,693	15,750	1,549	17,299	43,100	2,892	45,992
2007[d/]	16,089	360	16,449	16,230	561	16,791	32,319	921	33,240
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				3,400					

TABLE B-40. Puget Sound reported commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound Chinook stocks.[a/]
(Page 3 of 4)

Year or Average	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[c/]		
	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total
				Stillaguamish-Snohomish[e/]					
1981-1985	3,894	6,917	10,811	1,990	4,901	6,891	5,884	11,818	17,702
1986-1990	3,370	4,241	7,612	1,148	5,210	6,358	4,519	9,451	13,970
1991-1995	3,688	1,965	5,653	2,253	4,371	6,624	5,941	6,337	12,278
1996	11,429	27	11,456	4,618	7,138	11,756	16,047	7,165	23,212
1997	8,862	112	8,974	11,777	5,448	17,225	20,639	5,560	26,199
1998	7,207	68	7,275	4,691	7,844	12,535	11,898	7,912	19,810
1999	15,192	33	15,225	4,700	5,897	10,597	19,892	5,930	25,822
2000	8,275	31	8,306	1,931	7,739	9,670	10,206	7,770	17,976
2001[d/]	5,115	293	5,408	872	9,513	10,385	5,987	9,806	15,793
2002[d/]	5,192	57	5,249	2,542	8,808	11,350	7,734	8,865	16,599
2003[d/]	8,793	143	8,936	5,655	6,435	12,090	14,448	6,578	21,026
2004[d/]	5,746	102	5,848	6,124	12,112	18,236	11,870	12,214	24,084
2005[d/]	7,369	239	7,608	3,592	5,447	9,039	10,961	5,686	16,647
2006[d/]	4,016	192	4,208	4,168	9,562	13,730	8,184	9,754	17,938
2007[d/]	3,380	28	3,408	6,210	4,767	10,977	9,590	4,795	14,385
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL					7,300				
				South Puget Sound					
1981-1985	25,101	9,101	34,201	23,341	6,371	29,712	48,442	15,472	63,913
1986-1990	25,697	20,036	45,733	36,998	18,108	55,106	62,695	38,144	100,839
1991-1995	19,393	13,066	32,459	30,556	14,488	45,044	49,950	27,554	77,503
1996	17,338	13,118	30,456	35,858	24,769	60,627	53,196	37,887	91,083
1997	10,542	5,124	15,666	27,717	26,393	54,110	38,259	31,517	69,776
1998	11,105	8,385	19,490	38,491	25,370	63,861	49,596	33,755	83,351
1999	16,722	9,612	26,334	50,600	31,812	82,412	67,322	41,424	108,746
2000	14,861	13,893	28,754	32,496	27,998	60,494	47,357	41,891	89,248
2001[d/]	21,598	18,556	40,154	55,026	42,069	97,095	76,624	60,625	137,249
2002[d/]	22,545	15,839	38,384	46,744	41,135	87,879	69,289	56,974	126,263
2003[d/]	23,295	13,748	37,043	33,234	29,998	63,232	56,529	43,746	100,275
2004[d/]	20,673	15,519	36,192	45,760	26,864	72,624	66,433	42,383	108,816
2005[d/]	21,644	6,661	28,305	52,049	12,540	64,589	73,693	19,201	92,894
2006[d/]	39,362	15,170	54,532	64,438	27,058	91,496	103,800	42,228	146,028
2007[d/]	64,131	13,593	77,724	75,468	18,933	94,401	139,599	32,526	172,125
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL						34,900			

TABLE B-40. Puget Sound reported commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound Chinook stocks.[a/]
(Page 4 of 4)

a/ Includes treaty Indian and non-Indian net commercial catches during the adult accounting period. Source: Puget Sound run reconstruction model.

b/ Includes estimated off-station returns.

c/ Puget Sound run size is defined as the run available to Puget Sound net fisheries; spawning escapement plus Puget Sound net fishery catch. Does not include fish caught by troll and recreational fisheries inside Puget Sound.

d/ Preliminary.

e/ Since 1999, numbers include Tulalip hatchery returns, which are not added into escapement since no broodstock is taken at the hatchery.

TABLE B-41. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks.[a/] (Page 1 of 4)

Year or Average	Commercial Net Catches[c/]			Spawning Escapement			Terminal Run Size[c/]		
	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total
Strait of Juan de Fuca									
1981-1985	15,822	2,907	18,729	9,300	5,960	15,260	25,122	8,867	33,989
1986-1990	5,956	2,301	8,258	2,913	6,920	9,833	8,869	9,221	18,091
1991-1995	1,872	286	2,158	4,316	4,810	9,126	6,188	5,096	11,284
1996	4,176	81	4,257	7,563	2,440	10,003	11,739	2,521	14,260
1997[d/]	224	61	285	13,166	13,065	26,231	13,390	13,126	26,516
1998[d/]	5,079	1,249	6,328	5,166	16,822	21,988	10,245	18,071	28,316
1999[d/]	3,424	719	4,143	6,253	8,484	14,737	9,677	9,203	18,880
2000[d/]	7,727	1,988	9,715	19,233	22,654	41,887	26,960	24,642	51,602
2001[d/]	10,686	2,640	13,326	24,768	35,274	60,042	35,454	37,914	73,368
2002[d/]	7,744	1,876	9,620	10,398	22,375	32,773	18,142	24,251	42,393
2003[d/]	2,910	745	3,655	15,004	20,991	35,995	17,914	21,736	39,650
2004[d/]	3,601	873	4,474	5,461	20,987	26,448	9,062	21,860	30,922
2005[d/]	3,296	762	4,058	4,123	11,102	15,225	7,419	11,864	19,283
2006[d/]	845	220	1,065	596	3,940	4,536	1,441	4,160	5,601
2007[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL						14,800			
Nooksack-Samish									
1981-1985	122,433	17,539	139,972	27,720	7,700	35,420	150,153	25,239	175,392
1986-1990	140,733	21,839	162,572	23,087	8,020	31,107	163,821	29,859	193,680
1991-1995	48,056	13,878	61,934	19,793	10,835	30,629	67,849	24,713	92,563
1996	50,711	1,607	52,318	38,293	2,018	40,311	89,004	3,625	92,629
1997[d/]	14,464	546	15,010	34,305	6,700	41,005	48,769	7,246	56,015
1998[d/]	15,752	7,134	22,886	21,089	10,300	31,389	36,841	17,434	54,275
1999[d/]	41,924	7,460	49,384	41,876	8,042	49,918	83,800	15,502	99,302
2000[d/]	57,993	9,613	67,606	49,035	10,993	60,028	107,028	20,606	127,634
2001[d/]	49,326	25,816	75,142	49,788	27,512	77,300	99,114	53,328	152,442
2002[d/]	34,705	16,746	51,451	45,161	20,313	65,474	79,866	37,059	116,925
2003[d/]	34,084	9,281	43,365	35,482	14,168	49,650	69,566	23,449	93,015
2004[d/]	70,851	18,771	89,622	27,625	11,591	39,216	98,476	30,362	128,838
2005[d/]	20,080	15,496	35,576	25,211	2,187	27,398	45,291	17,683	62,974
2006[d/]	16,369	5,409	21,778	8,533	1,233	9,766	24,902	6,642	31,544
2007[d/]	19,724	15,123	34,847	14,782	11,205	25,987	34,506	26,328	60,834
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				17,900					

TABLE B-41. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks.[a/]
(Page 2 of 4)

Year or Average	Commercial Net Catches[c/]			Spawning Escapement			Terminal Run Size[c/]		
	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total
					Skagit				
1981-1985	6,619	8,858	15,477	21,740	19,800	41,540	28,359	28,658	57,017
1986-1990	5,309	11,448	16,757	13,861	25,800	39,661	19,170	37,248	56,418
1991-1995	1,338	1,739	3,077	11,082	14,240	25,322	12,420	15,979	28,399
1996	719	332	1,051	17,983	8,300	26,283	18,702	8,632	27,334
1997[d/]	111	1,181	1,292	4,443	38,999	43,442	4,554	40,180	44,734
1998[d/]	751	9,563	10,314	11,046	72,739	83,785	11,797	82,302	94,099
1999[d/]	520	6,751	7,271	3,168	29,699	32,867	3,688	36,450	40,138
2000[d/]	1,589	11,716	13,305	14,191	60,960	75,151	15,780	72,676	88,456
2001[d/]	1,658	17,933	19,591	16,852	87,017	103,869	18,510	104,950	123,460
2002[d/]	2,204	11,742	13,946	19,098	55,968	75,066	21,302	67,710	89,012
2003[d/]	3,803	19,034	22,837	8,587	88,712	97,299	12,390	107,746	120,136
2004[d/]	7,493	27,884	35,377	11,822	118,490	130,312	19,315	146,374	165,689
2005[d/]	3,249	16,054	19,303	12,139	34,713	46,852	15,388	50,767	66,155
2006[d/]	1,148	4,288	5,436	1,927	7,702	9,629	3,075	11,990	15,065
2007[d/]	1,833	15,098	16,931	11,536	51,972	63,508	13,369	67,070	80,439
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL					30,000				
					Hood Canal				
1981-1985	36,470	21,180	57,650	19,020	23,589	42,609	55,490	44,769	100,259
1986-1990	42,838	21,862	64,699	14,711	18,328	33,039	57,549	40,190	97,738
1991-1995	13,334	673	14,007	14,792	30,048	44,840	28,126	30,721	58,847
1996	4,066	137	4,203	27,337	37,051	64,388	31,403	37,188	68,591
1997[d/]	3,171	2,966	6,137	37,208	95,756	132,964	40,379	98,722	139,101
1998[d/]	6,386	15,586	21,972	13,689	100,718	114,407	20,075	116,304	136,379
1999[d/]	3,872	1,016	4,888	14,080	16,430	30,510	17,952	17,446	35,398
2000[d/]	11,170	11,888	23,058	24,934	27,094	52,028	36,104	38,982	75,086
2001[d/]	10,320	10,342	20,662	39,237	94,579	133,816	49,557	104,921	154,478
2002[d/]	9,759	8,382	18,141	39,330	69,296	108,626	49,089	77,678	126,767
2003[d/]	9,625	23,788	33,413	33,221	172,345	205,566	42,846	196,133	238,979
2004[d/]	19,381	67,307	86,688	27,171	146,873	174,044	46,552	214,180	260,732
2005[d/]	34,877	26,835	61,712	33,991	38,066	72,057	68,868	64,901	133,769
2006[d/]	24,542	34,126	58,668	3,883	13,665	17,548	28,425	47,791	76,216
2007[d/]	19,357	29,356	48,713	8,540	46,658	55,198	27,897	76,014	103,911
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL					21,500				

TABLE B-41. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks.[a/]
(Page 3 of 4)

Year or Average	Commercial Net Catches[c/]			Spawning Escapement			Terminal Run Size[c/]		
	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total
				Stillaguamish-Snohomish					
1981-1985	19,973	47,552	67,524	12,940	88,000	100,940	32,913	135,552	168,464
1986-1990	58,543	86,887	145,431	26,134	110,400	136,534	84,677	197,287	281,965
1991-1995	40,705	21,375	62,080	23,570	97,720	121,290	64,275	119,095	183,370
1996	23,406	7,159	30,565	23,583	59,200	82,783	46,989	66,359	113,348
1997[d/]	19,312	5,712	25,024	22,657	69,110	91,767	41,969	74,822	116,791
1998[d/]	14,522	10,207	24,729	18,715	177,265	195,980	33,237	187,472	220,709
1999[d/]	16,635	1,634	18,269	10,180	68,278	78,458	26,815	69,912	96,727
2000[d/]	84,221	5,681	89,902	31,338	122,386	153,724	115,559	128,067	243,626
2001[d/]	58,375	17,137	75,512	37,322	336,323	373,645	95,697	353,460	449,157
2002[d/]	49,488	18,372	67,860	11,858	188,746	200,604	61,346	207,118	268,464
2003[d/]	1,997	7,290	9,287	14,925	228,290	243,215	16,922	235,580	252,502
2004[d/]	52,046	36,559	88,605	13,984	317,995	331,979	66,030	354,554	420,584
2005[d/]	21,872	14,558	36,430	13,627	134,161	147,788	35,499	148,719	184,218
2006[d/]	4,898	26,926	31,824	6,136	84,179	90,315	11,034	111,105	122,139
2007[d/]	15,263	14,621	29,884	7,286	156,468	163,754	22,549	171,089	193,638
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL - Snohomish					70,000				
GOAL - Stillaguamish					17,000				
				South Puget Sound					
1981-1985	328,516	141,229	469,745	76,560	38,510	115,070	405,076	179,738	584,815
1986-1990	509,525	211,476	721,001	69,198	28,882	98,080	578,723	240,358	819,081
1991-1995	137,961	56,462	194,423	97,002	23,945	120,947	234,963	80,407	315,370
1996	56,117	13,503	69,620	107,463	21,991	129,454	163,580	35,494	199,074
1997[d/]	26,964	51,491	78,455	61,274	40,488	101,762	88,238	91,979	180,217
1998[d/]	49,009	14,261	63,270	33,290	18,034	51,324	82,299	32,295	114,594
1999[d/]	15,917	5,429	21,346	26,559	9,973	36,532	42,476	15,402	57,878
2000[d/]	136,840	59,255	196,095	139,838	51,198	191,036	276,678	110,453	387,131
2001[d/]	109,736	60,354	170,090	127,179	37,688	164,867	236,915	98,042	334,957
2002[d/]	96,426	34,208	130,634	115,145	18,296	133,441	211,571	52,504	264,075
2003[d/]	95,300	32,510	127,810	94,890	51,654	146,544	190,190	84,164	274,354
2004[d/]	171,354	46,631	217,985	133,614	43,147	176,761	304,968	89,778	394,746
2005[d/]	108,472	31,801	140,273	83,761	33,620	117,381	192,233	65,421	257,654
2006[d/]	114,496	29,436	143,932	47,625	21,449	69,074	162,121	50,885	213,006
2007[d/]	61,483	24,192	85,675	55,407	31,224	86,631	116,890	55,416	172,306
2008[d/]	NA	NA	NA	NA	NA	NA	NA	NA	NA
GOAL				52,000					

TABLE B-41. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound coho stocks.[a/]
(Page 4 of 4)

a/ Includes treaty Indian and non-Indian net commercial catches during the adult accounting period. Source: Puget Sound run reconstruction model.

b/ Includes estimated off-station returns.

c/ Terminal run size is defined as the run to terminal marine areas; spawning escapement plus sport and commercial net catch (inriver and terminal fishery catch). Prior to 1996, estimates are Puget Sound run size, which is defined as the run available to Puget Sound net fisheries; spawning escapement plus commercial net catch (inriver, terminal, and pre-terminal Puget Sound net fishery catch), but not including fish caught in Puget Sound troll and recreational fisheries.

d/ Preliminary.

TABLE B-42. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.[a/] (Page 1 of 4)

Year or Average	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[c/]		
	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total
Strait of Juan de Fuca									
1981	0	295	295	0	3,100	3,100	0	3,395	3,395
1983	0	144	144	0	5,088	5,088	0	5,232	5,232
1985	0	58	58	0	4,830	4,830	0	4,888	4,888
1987	3	158	161	47	1,956	2,003	50	2,114	2,164
1989	0	1,053	1,053	0	10,903	10,903	0	11,956	11,956
1991	0	1,129	1,129	0	9,896	9,896	0	11,025	11,025
1993	0	91	91	0	1,696	1,696	0	1,787	1,787
1995	4	262	266	100	8,254	8,354	104	8,516	8,620
1997	8	538	546	71	4,953	5,024	79	5,491	5,570
1999	0	6	6	0	7,306	7,306	0	7,312	7,312
2001	3	578	581	469	80,949	81,418	472	81,527	81,999
2003	0	282	282	0	15,148	15,148	0	15,430	15,430
2005[d/]	0	241	241	0	8,688	8,688	0	8,929	8,929
2007[d/]	0	147	147	0	6,251	6,251	0	6,398	6,398
GOAL					Not Agreed Upon				
Nooksack-Samish									
1981	0	21,659	21,659	0	26,814	26,814	0	48,473	48,473
1983	0	13,321	13,321	0	66,966	66,966	0	80,287	80,287
1985	0	6,204	6,204	0	24,914	24,914	0	31,118	31,118
1987	0	5,069	5,069	0	32,685	32,685	0	37,754	37,754
1989	237	24,727	24,964	1,200	126,006	127,206	1,437	150,733	152,170
1991	0	21,852	21,852	0	21,304	21,304	0	43,156	43,156
1993	0	4,323	4,323	0	51,680	51,680	0	56,003	56,003
1995	0	13,532	13,532	0	207,112	207,112	0	220,644	220,644
1997	0	4,152	4,152	0	26,000	26,000	0	30,152	30,152
1999	0	2,478	2,478	0	95,000	95,000	0	97,478	97,478
2001	215	13,735	13,950	3,714	226,000	229,714	3,929	239,735	243,664
2003	338	2,400	2,738	7,264	51,011	58,275	7,602	53,411	61,013
2005[d/]	259	1,975	2,234	1,791	13,627	15,418	2,050	15,602	17,652
2007[d/]	17	1,124	1,141	276	18,992	19,268	293	20,116	20,409
GOAL					50,000				

TABLE B-42. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.[a/]
(Page 2 of 4)

Year or Average	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[c/]		
	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total
					Skagit				
1981	403	150,626	151,029	268	100,268	100,536	671	250,894	251,565
1983	4	19,023	19,027	128	470,128	470,256	132	489,151	489,283
1985	9	229,993	230,002	30	710,030	710,060	39	940,023	940,062
1987	1,090	421,176	422,266	1,535	593,535	595,070	2,625	1,014,711	1,017,336
1989	8	661,061	661,069	5	401,300	401,305	13	1,062,361	1,062,374
1991	0	188,927	188,927	0	351,000	351,000	0	539,927	539,927
1993	0	180,088	180,088	0	530,000	530,000	0	710,088	710,088
1995	0	568,561	568,561	0	857,000	857,000	0	1,425,561	1,425,561
1997	0	57,710	57,710	0	60,000	60,000	0	117,710	117,710
1999	0	32,626	32,626	0	320,000	320,000	0	352,626	352,626
2001	0	206,533	206,533	0	894,061	894,061	0	1,100,594	1,100,594
2003	0	232,732	232,732	0	567,080	567,080	0	799,812	799,812
2005[d/]	0	20,147	20,147	0	60,000	60,000	0	80,147	80,147
2007[d/]	0	13,154	13,154	0	300,000	300,000	0	313,154	313,154
GOAL					330,000				
					Hood Canal				
1981	380	1,241	1,621	1,557	6,551	8,108	1,937	7,792	9,729
1983	50	831	881	503	25,201	25,704	553	26,032	26,585
1985	138	2,854	2,992	1,456	64,101	65,557	1,594	66,955	68,549
1987	1,855	6,942	8,797	8,056	62,220	70,276	9,911	69,162	79,073
1989	7,799	26,946	34,745	2,500	60,970	63,470	10,299	87,916	98,215
1991	409	13,518	13,927	3,300	118,450	121,750	3,709	131,968	135,677
1993	623	1,917	2,540	11,497	35,647	47,144	12,120	37,564	49,684
1995	1,565	994	2,559	24,665	31,306	55,971	26,230	32,300	58,530
1997	2,436	910	3,346	21,493	8,363	29,856	23,929	9,273	33,202
1999	18	10	28	7,617	12,667	20,284	7,635	12,677	20,312
2001	713	703	1,416	71,539	98,338	169,877	72,252	99,041	171,293
2003	464	691	1,155	25,217	37,531	62,748	25,681	38,222	63,903
2005[d/]	98	121	219	14,116	17,481	31,597	14,214	17,602	31,816
2007[d/]	101	677	778	4,306	29,001	33,307	4,407	29,678	34,085
GOAL					Not Agreed Upon				

TABLE B-42. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.[a/]
(Page 3 of 4)

Year or Average	Commercial Net Catches			Spawning Escapement			Puget Sound Run Size[c/]		
	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total	Hatchery[b/]	Natural	Total
Stillaguamish-Snohomish									
1981	40	49,480	49,520	96	108,096	108,192	136	157,576	157,712
1983	51	57,452	57,503	283	324,383	324,666	334	381,835	382,169
1985	63	175,095	175,158	192	502,192	502,384	255	677,287	677,542
1987	173	111,881	112,054	418	271,418	271,836	591	383,299	383,890
1989	33	354,805	354,838	16	150,549	150,565	49	505,354	505,403
1991	139	82,150	82,289	447	260,000	260,447	586	342,150	342,736
1993	13	21,444	21,457	135	210,000	210,135	148	231,444	231,592
1995	5	33,871	33,876	26	309,600	309,626	31	343,471	343,502
1997	0	59,173	59,173	0	192,109	192,109	0	251,282	251,282
1999	0	13,443	13,443	0	461,543	461,543	0	474,986	474,986
2001	0	100,015	100,015	0	1,847,648	1,847,648	0	1,947,663	1,947,663
2003	0	187,286	187,286	0	1,577,001	1,577,001	0	1,764,287	1,764,287
2005[d/]	0	19,193	19,193	0	600,124	600,124	0	619,317	619,317
2007[d/]	0	54,082	54,082	0	1,383,591	1,383,591	0	1,437,673	1,437,673
GOAL - Stillaguamish					155,000				
GOAL - Snohomish					120,000				
South Puget Sound									
1981	1,569	9,818	11,387	791	12,715	13,506	2,360	22,533	24,893
1983	492	11,265	11,757	149	12,200	12,349	641	23,465	24,106
1985	119	5,335	5,454	13	34,700	34,713	132	40,035	40,167
1987	15	9,386	9,401	3	42,200	42,203	18	51,586	51,604
1989	361	36,999	37,360	452	62,220	62,672	813	99,219	100,032
1991	357	5,037	5,394	346	15,950	16,296	703	20,987	21,690
1993[e/]	3	2,330	2,333	21	10,619	10,640	24	12,949	12,973
1995[e/]	13	5,163	5,176	84	18,278	18,362	97	23,441	23,538
1997[e/]	0	449	449	0	2,965	2,965	0	3,414	3,414
1999[e/]	0	80	80	12	4,670	4,682	12	4,750	4,762
2001[e/f/]	5	735	740	48	16,173	16,221	53	16,908	16,961
2003[e/f/]	1	5,393	5,394	68	185,277	185,345	69	190,670	190,739
2005[d/e/f/]	0	3,964	3,964	0	466,435	466,435	0	470,399	470,399
2007[d/e/f/]	0	19,162	19,162	0	615,678	615,678	0	634,840	634,840
GOAL					25,000				

TABLE B-42. Puget Sound commercial net fishery catches and spawning escapements in numbers of fish for hatchery and natural Puget Sound pink stocks.[a/]
(Page 4 of 4)

a/ Includes treaty Indian and non-Indian net commercial catches during the adult accounting period. Source: Puget Sound run reconstruction model.

b/ Includes estimated off-station returns.

c/ Puget Sound run size is defined as the run available to Puget Sound net fisheries; spawning escapement plus Puget Sound net fishery catch. Does not include fish caught by troll and recreational fisheries inside Puget Sound.

d/ Preliminary.

e/ Nisqually escapement estimate incomplete.

f/ Large runs of pinks have returned to Green River in 2001, 2003, 2005, and 2007; however, no formal escapement methodology exists, and Green River pinks are not included in the run reconstruction model. When the model is revised, pre-terminal catch estimates for all stocks will be affected.

TABLE B-43. Puget Sound spring Chinook spawning escapement estimates in numbers of adult fish.

	Stock						
	Skagit		NF Nooksack		SF Nooksack	White River	Quilcene
Year or Average	Hatchery	Natural	Hatchery	Natural[a/]	Hatchery/ Natural	Hatchery[b/]	Hatchery[c/]
1981-1985	15	1,408	0	152	317	70	149
1986-1990	155	1,826	0	235	280	408	125
1991-1995	815	907	770	266	222	1,065	19
1996	856	1,051	1,070	534	203	1,625	12
1997	1,220	1,041	1,663	520	180	1,609	16
1998	1,054	1,086	1,370	368	157	2,710	5
1999	3,171	471	2,873	823	166	1,550	4
2000	1,102	1,021	1,204	1,245	284	2,363	0
2001	1,566	1,856	1,006	2,209	267	5,690	0
2002[d/]	1,606	1,065	5,649	3,741	289	1,780	0
2003[d/]	1,537	844	6,250	2,857	204	2,760	0
2004[d/]	3,107	1,622	3,533	1,746	130	1,115	0
2005[d/]	2,254	1,305	1,569	2,167	120	2,061	0
2006[d/]	1,530	1,896	732	1,184	355	4,321	0
2007[d/]	2,080	613	505	1,438	182	8,417	0
2008[d/]	1,464	1,472	1,194	1,266	NA	3,718	0
GOAL		3,000					

a/ Natural escapement estimates based on carcass counts expanded by a 3.48 multiplier developed from 5 years of redd count based estimates. Most natural spawners are hatchery fish spawning in the wild.

b/ This estimate includes adult Chinook returns to Hupp Springs, White River Hatchery and to the Buckley Trap.

c/ Program has been discontinued.

d/ Preliminary.

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APPENDIX C
HISTORICAL RECORD OF OCEAN SALMON FISHERY REGULATIONS AND A CHRONOLOGY OF 2008 EVENTS

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TABLE C-1. Summary of actual California commercial salmon seasons in state and federal (EEZ) waters, 2001-2008.[a/] (Page 1 of 3)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho	Other Restrictions
2001	OR/CA Border to Humboldt South Jetty	Sept. 1-30	-	30	-	26	-	8,000 Chinook quota, includes 2,000 guideline for CA/OR border to Humbug Mt.; 30 Chinook per vessel per day landing limit
	Horse Mt. to Pt. Arena	May 1-21	-	21	-	26	-	3,000 Chinook quota
		Sept. 1-30	-	30	-	26	-	
	Pt. Arena to Pt. Reyes	June 24-30	-	7	-	26	-	
		July 1-Sept. 30	-	92	-	27	-	
	Pt. Reyes to Pt. San Pedro	May 24-June 30	-	38	-	26	-	
		July 1-Sept. 30	-	92	-	27	-	
		Oct. 1-5, 8-12	-	10	-	27	-	
	Pt. San Pedro to Pt. Sur	May 1-June 30	-	61	-	26	-	
		July 1-Aug. 14	-	45	-	27	-	
	Pt. Sur to U.S./Mexico Border	May 1-June 30	-	61	-	26	-	
		July 1-Aug. 14	-	45	-	27	-	
		Sept. 11-30	-	20	-	27	-	
2002	OR/CA Border to Humboldt South Jetty	Aug. 16-30	-	15	-	26	-	3,000 Chinook quota; 40 Chinook per vessel per day landing limit
		Sept. 1-20; 26-27	-	22	-	26	-	10,000 Chinook quota; 40 Chinook per vessel per day landing limit
	Horse Mt. to Pt. Arena	July 20-23	-	4	-	26	-	10,000 Chinook quota
		Aug. 1-30	-	30	-	26	-	
		Sept. 1-30	-	30	-	26	-	
	Pt. Arena to U.S./Mexico Border	May 1-Sept. 30	-	153	-	26	-	
	Pt. Reyes to Pt. San Pedro	Oct. 1-4, 7-11, 14-18	-	14	-	26	-	
2003	OR/CA Border to Humboldt South Jetty	Sept. 1-30	-	30	-	26	-	10,000 Chinook quota; 40 Chinook per vessel per day landing limit
	Horse Mt. to Pt. Arena	May 1-31	-	31	-	26	-	
		July 3-14	-	12	-	26	-	150 Chinook per vessel per day landing limit
		July 18-Sept. 30	-	75	-	26	-	
	Pt. Arena to U.S./Mexico Border	May 1-Sept. 30	-	153	-	26	-	
	Pt. Reyes to Pt. San Pedro	Oct. 1-3, 6-10, 13-17	-	13	-	26	-	

TABLE C-1. Summary of actual California commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 2 of 3)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho	Other Restrictions
2004	OR/CA Border to Humboldt South Jetty	Sept. 1-17	-	17	-	28	-	6,000 Chinook quota; 30 Chinook per vessel per day landing limit
	Horse Mt. to Pt. Arena	July 10-Aug. 29	-	51	-	27	-	
		Sept. 1-30	-	30	-	28	-	
	Pt. Arena to U.S./Mexico Border	May 1-June 30	-	61	-	26	-	
		July 1-Aug. 29	-	60	-	27	-	
		Sept. 1-30	-	30	-	27	-	
	Pt. Reyes to Pt. San Pedro	Oct. 1, 4-8, 11-15	-	11	-	26	-	
2005	OR/CA Border to Humboldt South Jetty	Sept. 3-16	-	14	-	28	-	6,000 Chinook quota; 30 Chinook per vessel per day landing limit
	Horse Mt. to Pt. Arena	Sept. 1-30	-	30	-	27	-	
	Pt. Arena to Pigeon Pt.	July 4-Aug. 29	-	57	-	28	-	
		Sept. 1-30	-	30	-	27	-	
	Pt. Reyes to Pt. San Pedro	Oct. 3-7, 10-14	-	10	-	26	-	
	Pigeon Pt. to Pt. Sur	May 1-31	-	31	-	27	-	
		July 4-Aug. 29	-	57	-	28	-	
		Sept. 1-30	-	30	-	27	-	
	Pt. Sur to U.S./Mexico Border	May 1-June 30	-	61	-	27	-	
		July 1-Aug. 31	-	62	-	28	-	
		Sept. 1-30	-	30	-	27	-	
2006	OR/CA Border to Humboldt South Jetty	Closed	-	-	-	-	-	
	Horse Mt. to Pt. Arena	Sept. 1-5	-	5	-	27	-	4,000 Chinook quota; 30 Chinook per vessel per day landing limit
	Pt. Arena to Pigeon Pt.	July 26-Aug. 31	-	37	-	28	-	75 Chinook per vessel per week landing limit
		Sept. 1-30	-	30	-	27	-	20,000 Chinook quota
	Pt. Reyes to Pt. San Pedro	Oct. 2-6, 9-13	-	10	-	26	-	
	Pigeon Pt. to Pt. Sur	May 1-31	-	31	-	27	-	75 Chinook per vessel per week landing limit
		July 26-Aug. 31	-	37	-	28	-	75 Chinook per vessel per week landing limit
		Sept. 1-30	-	30	-	27	-	
	Pt. Sur to U.S./Mexico Border	May 1-June 30	-	61	-	27	-	
		July 1-Aug. 31	-	62	-	28	-	
		Sept. 1-30	-	30	-	27	-	

TABLE C-1. Summary of actual California commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 3 of 3)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho	Other Restrictions
2007	OR/CA Border to Humboldt South Jetty	Sept. 10-12	-	3	-	28	-	6,000 Chinook quota; 30 Chinook per vessel per day landing limit.
	Horse Mt. to Pt. Arena	April 9-13, 16-20, 23-27	-	15	-	27	-	2,000 Chinook quota; 20 Chinook per vessel per day Apr 9-13, Apr 16-20; 30 Chinook per vessel per day Apr 23-27.
		Aug. 1-29	-	29	-	28	-	
		Sept. 1-30	-	30	-	27	-	
	Pt. Arena to Pigeon Pt.	May 9-31	-	23	-	27	-	
		July 1-Aug. 29	-	60	-	28	-	
		Sept. 1-30	-	30	-	27	-	
	Pt. Reyes to Pt. San Pedro	Oct. 1-5, 8-12	-	10	-	27	-	
	Pigeon Pt. to Pt. Sur	May 1-31	-	31	-	27	-	
		July 1-Aug. 29	-	60	-	28	-	
		Sept. 1-30	-	30	-	27	-	
	Pt. Sur to U.S./Mexico Border	May 1-June 30	-	61	-	27	-	
		July 1-Aug. 31	-	62	-	28	-	
		Sept. 1-30	-	30	-	27	-	
2008[b/]	OR/CA Border to U.S./Mexico Border	Closed	-	-	-	-	-	

a/ For earlier years and additional detail, see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-1.
b/ For detailed regulations see TABLE I-1.

TABLE C-2. Summary of actual California recreational ocean salmon regulations, 2001-2008.[a/] (Page 1 of 3)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho	Other Restrictions
2001	OR/CA Border to Horse Mt.	May 17-July 8	53	2	20	-	No more than 4 salmon in 7 days
		July 24-Sept. 3	42	2	20	-	No more than 6 salmon in 7 days
	Horse Mt. to Pt. Arena	Feb. 17-May 31	104	2	24	-	
		June 1-Nov. 18	171	2	20	-	
	Pt. Arena to Pigeon Pt.	Apr. 14-June 30	78	2	24	-	
		July 1-Nov. 13	136	2	20	-	
	Pigeon Pt. to U.S./Mexico Border	Mar. 31-June 30	92	2	24	-	
		July 1-Sept. 30	92	2	20	-	
2002	OR/CA Border to Horse Mt.	May 15-June 30; July 3-4; Aug. 1- Sept. 15	95	2	20	-	No more than 6 salmon in 7 days
	Horse Mt. to Pt. Arena	Feb. 16-Apr. 30	74	2	24	-	
		May 1-July 7; July 20-Nov. 17	189	2	20	-	
	Pt. Arena to Pigeon Pt.	Apr. 13-30	18	2	24	-	
		May 1-Nov. 10	194	2	20	-	
	Pigeon Pt. to U.S./Mexico Border	Mar. 30-Apr. 30	32	2	24	-	
		May 1-Sept. 29	152	2	20	-	
2003	OR/CA Border to Horse Mt.	May 17-Sept. 14	121	2	20	-	
	Horse Mt. to Pt. Arena	Feb. 15-Apr. 30	75	2	24	-	
		May 1-Nov. 16	200	2	20	-	
	Pt. Arena to Pigeon Pt.	Apr. 12-30	19	2	24	-	
		May 1-Nov. 9	193	2	20	-	
	Pigeon Pt. to U.S./Mexico Border	Mar. 29-Apr. 30	33	2	24	-	
		May 1-Sept. 28	151	2	20	-	

TABLE C-2. Summary of actual California recreational ocean salmon regulations, 2001-2008.[a/] (Page 2 of 3)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho	Other Restrictions
2004	OR/CA Border to Horse Mt.	May 15-Sept. 12	121	2	20	-	
	Horse Mt. to Pt. Arena	Feb. 14-Apr. 30	77	2	24	-	
		May 1-Nov. 14	198	2	20	-	
	Pt. Arena to Pigeon Pt.	Apr. 17-30	14	2	24	-	
		May 1-Nov. 14	198	2	20	-	
	Pigeon Pt. to U.S./Mexico Border	Apr. 3-30	28	2	24	-	
		May 1-Oct. 3	156	2	20	-	
2005	OR/CA Border to Horse Mt.	May 21-July 4; Aug. 14-Sept. 11	74	2	24	-	
	Horse Mt. to Pt. Arena	Feb. 12-July 10; July 16-17; July 23-Nov. 13	265	2	20	-	
	Pt. Arena to Pigeon Pt.	Apr. 2-Nov. 13	226	2	20	-	
	Pigeon Pt. to U.S./Mexico Border	Apr. 2-Sept. 25	177	2	20	-	
2006	OR/CA Border to Horse Mt.	May 15-July 4; Sept. 1-6	57	2	24	-	
	Horse Mt. to Pt. Arena	Feb. 18-May 31; June 1-4, 7-11, 14-18, 21-25, 28-30; July 1-9, 15-16, 22-23; July 26 - Nov. 12	248	2	20	-	
	Pt. Arena to Pigeon Pt.	Apr. 1-June 11; June 14-July 9; July 12-Nov. 12	222	2	20	-	April 1-30 open only inside 3nm (State waters)
	Pigeon Pt. to Pt. Sur	Apr. 1-Sept. 24	177	2	20	-	April 1-30 open only inside 3nm (State waters)
	Pt. Sur to U.S./Mexico Border	Apr. 1-Sept. 24	177	2	20	-	

TABLE C-2. Summary of actual California recreational ocean salmon regulations, 2001-2008.[a/] (Page 3 of 3)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho	Other Restrictions
2007	OR/CA Border to Horse Mt.	May 5-Sept. 4	123	2	24	-	
	Horse Mt. to Pt. Arena	Feb. 17-Nov. 11	268	2	20	-	
	Pt. Arena to Pigeon Pt.	April 7-Nov. 11	219	2	20	-	
	Pigeon Pt. to U.S./Mexico Border	April 7-Oct. 7	184	2	20	-	
2008[b/]	OR/CA Border to Horse Mt.	Closed	-	-	-	-	
	Horse Mt. to Pt. Arena	Feb. 16-Mar. 31	45	2	20	-	
	Pt. Arena to U.S. Mexico Border	Closed	-	-	-	-	

a/ For earlier years and additional detail, see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-2.
b/ For detailed regulations see TABLE I-3.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and federal (EEZ) waters, 2001-2008.[a/] (Page 1 of 10)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2001	WA/OR Border to Cape Falcon	May 1-June 15	-	46	-	28	-	
			July 20-23, 27-30	-	8	28	16	65 Chinook per open period vessel limit.
			Aug. 3-12	-	10	28	16	100 Chinook per open period vessel limit.
			Aug. 17-27	-	11	28	16	150 Chinook per open period vessel limit.
			Aug. 31-Sept. 30	-	31	28	16	No Chinook limit.
	Cape Falcon to Florence South Jetty	Apr. 1-July 18; July 27-Aug. 29; Sept. 1- Oct. 31	-	204	-	26	-	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	-	15	-	26	-	Chinook only.
	Florence South Jetty to Humbug Mt.	Apr. 1-July 9; July 18-Aug. 29; Sept. 1- Oct. 31	-	204	-	26	-	
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	-	45	-	26	-	
	Humbug Mt. to OR/CA Border	May 1-31	-	31	-	26	-	
		June 3-4, 7-8, 11-12, 15-30; Aug. 1-31; Sept. 1-30	-	94	-	26	-	30 fish per day per vessel limit.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 13-31	-	19	-	26	-	20 fish per day per vessel limit; Chinook only.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 2 of 10)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2002	WA/OR Border to Cape Falcon	May 1-June 7	-	38	-	28	-	
		July 1-8	-	8	-	28	-	250 Chinook per open period vessel limit.
		July 12-22	-	11	-	28	-	400 Chinook per open period vessel limit.
		July 26-31	Aug. 1-5	6	5	28	16	450 Chinook per open period vessel limit.
			Aug. 9-18	-	10	28	16	400 Chinook per open period vessel limit.
			Aug. 22-28	-	7	28	16	250 Chinook per open period vessel limit.
	Cape Falcon to Florence South Jetty	Mar. 20-July 15; Aug. 1-29; Sept. 1- Oct. 31	-	208	-	26	-	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-14	-	14	-	26	-	Chinook only.
	Florence South Jetty to Humbug Mt.	Mar. 20-June 30; July 17-Aug. 29; Sept. 1- Oct. 31	-	208	-	26	-	
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	-	45	-	26	-	
	Humbug Mt. to OR/CA Border	Mar. 20-May 31	-	73	-	26	-	
		June 1-30; July 1-26; Aug. 1-29; Sept. 1-9	-	94	-	26	-	50 fish per trip per vessel limit.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 14-Nov. 3	-	21	-	26	-	25 fish per day per vessel limit; Chinook only.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 3 of 10)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2003	WA/OR Border to Cape Falcon	May 1-June 6; June 26-30	-	42	-	28	-	
			July 3-7	-	5	28	16	75 Chinook per open period vessel limit.
			July 10-14, 17-21, 24-28; July 31-Aug. 4; Aug. 7-11, 14-18, 21-25; Aug. 27-Sept. 1; Sept. 4-8, 11-14	-	49	28	16	150 Chinook per open period vessel limit.
	Cape Falcon to Florence South Jetty	Mar. 15-Apr. 30	-	47	-	26	-	
		May 1-July 16; Aug. 1-19; Sept. 1-30	-	126	-	27	-	
		Oct. 1-31		31	-	28	-	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-14	-	14	-	26	-	Chinook only.
	Florence South Jetty to Humbug Mt.	Mar. 15-Apr. 30	-	47	-	26	-	
		May 1-June 30; July 17-31; Aug. 11-29; Sept. 1-30	-	125	-	27	-	
		Oct. 1-31	-	31	-	28	-	
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	-	45	-	28	-	
	Humbug Mt. to OR/CA Border	Mar. 15-May 31	-	47	-	26	-	
		June 1-30; July 1-31; Aug. 1-29	-	90	-	26	-	50 fish per trip per vessel limit.
		Sept. 1-30	-	30	-	28	-	65 fish per trip per vessel limit.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 13-Nov. 3	-	22	-	26	-	25 fish per day per vessel limit; Chinook only.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 4 of 10)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2004	WA/OR Border to Cape Falcon	May 1-5	-	5	-	28	-	
		May 15-18	-	4	-	28	-	125 Chinook per open period vessel limit.
		May 24-26	-	3	-	28	-	70 Chinook per open period vessel limit.
		June 26-30	-	5	-	28	-	50 Chinook per open period vessel limit.
			July 8-12	-	5	28	16	100 Chinook per open period vessel limit.
			July 16-19, 22-26; July 29-Aug. 2; Aug. 5-9, 11-15, 18-22, 25-29	-	34	28	16	125 Chinook per open period vessel limit.
			Sept. 1-5	-	5	28	16	125 Chinook per open period vessel limit; no coho mark restriction.
	Cape Falcon to Florence South Jetty	Mar. 15-Apr. 30	-	47	-	26	-	
		May 1-June 30;	-	126	-	27	-	
		July 7-12, 19-27;	-					
		Aug. 1-14, 19-24;	-					
		Sept. 1-30	-					
		Oct. 1-31		31	-	28	-	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-14	-	14	-	26	-	Chinook only.
	Florence South Jetty to Humbug Mt.	Mar. 15-Apr. 30	-	47	-	26	-	
		May 1-July 6;	-	127	-	27	-	
		July 13-18, 26-29; Aug. 1-8, 15-22, 26-29; Sept. 1-30						
		Oct. 1-31	-	31	-	28	-	
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	-	45	-	28	-	
	Humbug Mt. to OR/CA Border	Mar. 15-Apr. 30	-	47	-	26	-	
		May 1-31	-	31	-	27	-	
		June 1-19; July 1-19; Aug. 1-4	-	42	-	27	-	50 fish per trip per vessel limit.
		Sept. 1-3, 8-10, 15-30	-	22	-	28	-	65 fish per trip per vessel limit.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 13-Nov. 3	-	22	-	26	-	25 fish per day per vessel limit; Chinook only.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 5 of 10)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2005	WA/OR Border to Cape Falcon	May 1-3	-	3	-	28	-	75 Chinook per open period vessel limit.
		May 6-9	-	4	-	28	-	100 Chinook per open period vessel limit.
		May 13-16; 20-26	-	11	-	28	-	125 Chinook per open period vessel limit.
		June 3-6	-	4	-	28	-	60 Chinook per open period vessel limit.
		June 26-30	-	5	-	28	-	30 Chinook per open period vessel limit.
			July 7-11;14-18		10	28	16	75 Chinook per open period vessel limit.
			July 21-25; July 28-Aug. 1; Aug. 3-7; 10-14; 17-22		26	28	16	100 Chinook per open period vessel limit.
	Cape Falcon to Florence South Jetty	Mar. 15-25; Apr. 1-15	-	26	-	27	-	
		May 1-3, 8-10, 15-17, 22-24, 29-30; June 1-30; Sept. 1-23; Oct. 1-31	-	98	-	28	-	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	-	15	-	26	-	Chinook only.
	Florence South Jetty to Humbug Mt.	Mar. 15-25; Apr. 1-15	-	26	-	27	-	
		May 1-30; Sept. 1-23; Oct. 1-31	-	84	-	28	-	
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	-	45	-	28	-	
	Humbug Mt. to OR/CA Border	Mar. 15-25; Apr. 1-15	-	26	-	27	-	
		Sept. 3-30	-	28	-	28	-	45 fish per day per vessel limit.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 13-Nov. 3	-	22	-	26	-	25 fish per day per vessel limit; Chinook only.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 6 of 10)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2006	WA/OR Border to Cape Falcon	May 1-2	-	2	-	28	-	75 Chinook per open period vessel limit.
		May 6-9, 13-16, 20-23, 27-30, June 3-6, 10-13	-	24	-	28	-	80 Chinook per open period vessel limit.
		June 27-30	-	4	-	28	-	20 Chinook per open period vessel limit.
			July 15-18, 22-25		8	28	16	35 Chinook and 35 coho per open period vessel limit.
			July 29-Aug. 1		4	28	16	60 Chinook and 35 coho per open period vessel limit.
			Aug. 5-7, 12-14		6	28	16	60 Chinook and 40 coho per open period vessel limit.
			Aug. 19-22, 26-29, Sept. 2-5		12	28	16	80 Chinook and 40 coho per open period vessel limit.
			Sept. 8-15		8	28	16	160 Chinook and 40 coho per open period vessel limit.
	Cape Falcon to Florence South Jetty	June 4-7, 11-14, 18-21, 25-28; July 9-11, 16-18, 23-25; Aug. 1-3	-	28	-	28	-	75 Chinook per calendar week vessel limit.
		Sept. 17-30; Oct. 17-31	-	29	-	28	-	50 Chinook per calendar week vessel limit.
	Cape Falcon to Pyramid Rock Inside 3 nm (Tillamook/Nehalem	Sept. 1-16; Oct. 1-16	-	32	-	28	-	Chinook only; 50 per calendar week vessel limit.
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	-	15	-	28	-	Chinook only.
	Cape Kiwanda to Neskowin Creek Inside 3 nm (Nestucca Area)	Sept. 1-16; Oct. 1-16	-	32	-	28	-	Chinook only; 50 per calendar week vessel limit.
	Yaquina Head to 44°33'00" Inside 3 nm (Yaquina Area)	Sept. 1-16; Oct. 1-16	-	32	-	28	-	Chinook only; 50 per calendar week vessel limit.
	44°29'00" to 44°23'00" Inside 3 nm (Alsea Area)	Sept. 1-16; Oct. 1-16	-	32	-	28	-	Chinook only; 50 per calendar week vessel limit.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 7 of 10)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2006	Florence South Jetty to Humbug Mt.	Closed	-	-	-	-	-	
Cont'd	Heceta Head to 44°00'00" Inside 3 nm (Siuslaw Area)	Sept. 1-16; Oct. 1-16	-	32	-	28	-	Chinook only; 50 per calendar week vessel limit.
	Tahkenitch Creek to 43°37'00" Inside 30 fathoms (Umpqua Area)	Sept. 1-30	-	30	-	28	-	Chinook only; 50 per calendar week vessel limit.
	43°31'00" to Cape Arago Inside 30 fathoms (Coos Area)	Sept. 1-Oct. 16	-	46	-	28	-	Chinook only; 50 per calendar week vessel limit.
	Nesika Reef to Cape Sebastian Inside 3 nm (Rogue Area)	Sept. 1-15	-	15	-	28	-	Chinook only; 50 per calendar week vessel limit.
			-					
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Sept. 15-Dec. 15	-	92	-	28	-	
	Humbug Mt. to OR/CA Border	Closed	-	-	-	-	-	
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 13-Nov. 3	-	22	-	28	-	25 fish per day per vessel limit; Chinook only.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 8 of 10)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2007	WA/OR Border to Cape Falcon	May 1-2, 5-8	-	6	-	28	-	Per open period vessel limit of 40 Chinook.
		May 12-15, 19-22, 26-29, June 2-5, 9-12, 16-19	-	24	-	28	-	Per open period vessel limit of 30 Chinook.
		June 23-26	-	4	-	28	-	Per open period vessel limit of 30 Chinook.
			July 1-3, 7-10, 14-17, 21-24 July 28-31, Aug. 4-7, 11-14		27	28	16	Per open period vessel limit of 20 Chinook.
			Aug. 18-21, 25-28, Sep. 1-4, 8-11, 15-16		18	28	16	20 Chinook and 140 coho per open period vessel limit.
	Cape Falcon to Humbug Mt.	April 10-29	-	20	-	28	-	100 Chinook per calendar week vessel limit.
		May 1-June 30; July 11-30; Aug. 4-14, 21-24	-	96	-	28	-	
		Oct. 1-31	-	31	-	28	-	75 Chinook per calendar week vessel limit. Bandon High Spot Control Zone closed.
			Aug. 15-20, 25-28	-	10	28	16	50 coho per calendar week vessel limit. 10,000 coho quota, no coho mark restriction.
			Sept. 10-13	-	4	28	16	150 Chinook and 50 coho per calendar week vessel limit. Remainder of 10,000 coho quota. Bandon High Spot Control Zone closed.
	Cape Falcon to Pyramid Rock Inside 3 nm (Tillamook/Nehalem Area)	Sept. 1-8, 17-30	-	22	-	28	-	Chinook only; 50 per calendar week vessel limit. 2,000 quota. Landings resticted to Garibaldi or Nehalem.
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	-	15	-	28	-	Chinook only.
	Cape Lookout to Neskowin Creek Inside 3 nm (Nestucca Area)	Sept. 1-8, 17-30	-	22	-	28	-	Chinook only; 50 per calendar week vessel limit. 1,000 quota. Landings resticted to Pacific City or Garibaldi.
	Yaquina Head to 44°33'00" Inside 3 nm (Yaquina Area)	Sept. 1-8, 17-30	-	22	-	28	-	Chinook only; 50 per calendar week vessel limit. 1,000 quota. Landings resticted to Newport or Depoe Bay.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 9 of 10)

Year	Area	Seasons: All-Salmon-Except-Coho	Seasons: All Salmon	Number of Days: All-Salmon-Except-Coho	Number of Days: All Salmon	Minimum Size Limit: Chinook	Minimum Size Limit: Coho[b/]	Other Restrictions
2007[c/] Cont'd	44°29'00" to 44°23'00" Inside 3 nm (Alsea Area)	Sept. 1-8, 17-30	-	22	-	28	-	Chinook only; 50 per calendar week vessel limit. 2,000 quota. Landings resticted to Newport or Depoe Bay.
	Heceta Head to 44°00'00" Inside 3 nm (Siuslaw Area)	Sept. 1-8, 17-30	-	22	-	28	-	Chinook only; 50 per calendar week vessel limit. 2,000 quota. Landings resticted to Newport, Florence, Winchester Bay or Coos Bay.
	Tahkenitch Creek to 43°37'00" Inside 30 fathoms (Umpqua Area)	Sept. 1-8, 17-30	-	22	-	28	-	Chinook only; 50 per calendar week vessel limit. 500 quota. Landings resticted to Winchester Bay or Coos Bay.
	43°31'00" to Cape Arago Inside 30 fathoms (Coos Area)	Sept. 1-8, 17-30	-	22	-	28	-	Chinook only; 50 per calendar week vessel limit. 1,000 quota. Landings resticted to Coos Bay.
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Sept. 17-30; Nov. 1-Dec. 15	-	59	-	28	-	Landings restricted to Port Orford.
	Humbug Mt. to OR/CA Border	Apr. 10-29	-	20	-	28	-	100 fish per calendar week vessel limit.
		May 1-31	-	31	-	28	-	
		June 1-30	-	30	-	28	-	30 Chinook per day and 100 per calendar week vessel limit; 1,600 quota. Landings in Gold Beach, Port Orford, or Brookings only.
		July 11-31	-	21	-	28	-	30 Chinook per day and 100 per calendar week vessel limit; 1,600 quota. Landings in Gold Beach, Port Orford, or Brookings only.
		Aug. 1-14	-	14	-	28	-	30 Chinook per day and 100 per calendar week vessel limit; 1,800 quota. Landings in Gold Beach, Port Orford, or Brookings only.
		Sept. 6-30	-	25	-	28	-	30 Chinook per day and 100 per calendar week vessel limit; 1,000 quota. Landings in Gold Beach, Port Orford, or Brookings only.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 15-Nov. 5	-	22	-	28	-	25 fish per day per vessel limit. Landings restricted to Brookings.

TABLE C-3. Summary of actual Oregon commercial salmon seasons in state and Federal (EEZ) waters, 2001-2008.[a/] (Page 10 of 10)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2008[c/]	WA/OR Border to Cape Falcon	May 3-6, 10-13, 17-20, 24-27, May 31-June 3, June 7-10, 14-17	-	28	-	28	-	Per open period vessel limit of 50 Chinook.
		June 21-24	-	4	-	28	-	Per open period vessel limit of 35 Chinook.
			July 1-2, 5-8, 12-15, 19-22, 26-29;	-	18	28	16	Per open period vessel limit of 35 Chinook and 25 coho.
			Aug. 2-5, 9-12, 16-19, 23-26, Aug. 30-Sept. 2; Sept. 6-9, 13-16	-	28	28	16	Per open period vessel limit of 50 Chinook and 25 coho.
	Cape Falcon to OR/CA Border							
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Sept. 1-Nov. 15	-	76	-	28	-	500 quota; 25 Chinook per calendar week per vessel landing limit.
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-30	-	30	-	28	-	250 quota; 10 Chinook per day per vessel landing limit; landings restricted to Port Orford.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 5-8, 12	-	5	-	28	-	250 quota; 10 Chinook per day per vessel limit Oct. 5-8, 5 Chinook Oct. 12. Landings restricted to Brookings.

a/ For earlier years and additional detail, see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-3.
b/ Mark selective coho fishery except for WA/OR Border to Cape Falcon in Sept. 2004 and Cape Falcon to Humbug Mt. in 2007; otherwise all retained coho must be marked with a healed adipose fin clip.
c/ For detailed regulations see TABLE I-1.

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2008.[a/] (Page 1 of 5)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho[b/]	Other Restrictions
2001	WA/OR Border to Cape Falcon	July 1-Sept. 3	47	2	24	16	Sun.-Thurs.; no more than one Chinook.
	Closed south of Tillamook Head Beginning Aug. 1	Sept. 4-30	27	2	24	16	Seven days per week; no more than one Chinook.
	Cape Falcon to Humbug Mt.	Apr. 1-June 21; July 20-Oct. 31	186	2	20	-	
		June 22-July 19	28	2	20	16	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	15	2	20	-	Chinook only.
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	45	2	20	-	Chinook only.
	Humbug Mt. to OR/CA Border	May 17-July 8; July 24-Sept. 3	95	1	20	-	
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 1-12	12	1	20	-	Chinook only.
2002	WA/OR Border to Cape Falcon	May 25-June 16	23	2	24	-	Chinook only.
		July 7-20	10	2	24	16	Sun.-Thurs.
	Closed south of Tillamook Head Beginning Aug. 1	July 21-Aug. 7	14	2	26	16	Sun.-Thurs.
		Aug. 8-15	6	2	-	16	Sun.-Thurs.; no Chinook.
		Aug. 16-Sept. 2; Sept. 6-15	28				Seven days per week; no Chinook.
	Cape Falcon to Humbug Mt.	Apr. 1-July 6; Aug. 2-Oct. 31	188	2	20	-	
		July 7-Aug. 1	26	2	20	16	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	15	2	20	-	Chinook only.
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	45	2	20	-	Chinook only.
	Humbug Mt. to OR/CA Border	May 15-June 30; July 3-4; Aug. 1-Sept. 15	95	2	20	-	
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 1-13	13	1	20	-	Chinook only.

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2008.[a/] (Page 2 of 5)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho[b/]	Other Restrictions
2003	WA/OR Border to Cape Falcon	June 29-July 24	20	2	26	16	Sun.-Thurs.; no more than one Chinook.
	Closed south of Tillamook Head Beginning Aug. 1	July 25-Sept. 30	68	2	26	16	Seven days per week; no more than one Chinook.
	Cape Falcon to Humbug Mt.	Mar. 15-June 20; Aug. 20-Oct. 31	171	2	20	-	
		June 21-Aug. 19	60	2	20	16	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	15	2	20	-	Chinook only.
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	45	2	20	-	Chinook only.
	Humbug Mt. to OR/CA Border	May 17-Sept. 14	121	2	20	-	
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 1-12	12	1	20	-	Chinook only.
2004	WA/OR Border to Cape Falcon	June 27-July 22	19	2	26	16	Sun.-Thurs.; no more than one Chinook.
	Closed south of Tillamook Head	July 23-Aug. 12	21	2	26	16	Seven days per week.
	Aug. 1-Sept. 3	Aug. 13-Sept. 30	49	2	24	16	
	Cape Falcon to Humbug Mt.	Mar. 15-June 18; Sept. 1-Oct. 31	157	2	20	-	
		June 19-Aug. 31	74	2	20	16	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	15	2	20	-	Chinook only.
	Humbug Mt. to OR/CA Border	May 15-June 18; Sept. 1-12	47	2	20	-	
		June 19-Aug. 31	74	2	20	16	
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 1-12	12	1	20	-	Chinook only.

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2008.[a/] (Page 3 of 5)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho[b/]	Other Restrictions
2005	WA/OR Border to Cape Falcon	July 3-28	20	2	24	16	Sun.-Thurs.; no more than one Chinook.
	Closed south of Tillamook Head	July 29-Sept. 8; Sept.17-30	56	2	24	16	Seven days per week.
	Beginning Aug. 1	Sept. 9-16	8	2	-	16	Seven days per week; no Chinook.
	Cape Falcon to Humbug Mt.	Mar. 15-June 17; Aug. 1-Oct. 31	188	2	20	-	
		June 18-July 31	44	2	20	16	
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	15	2	20	-	Chinook only.
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	45	2	20	-	Chinook only.
	Humbug Mt. to OR/CA Border	May 21-June 17; Aug. 14-Sept. 11	57	2	24	-	
		June 18-July 4	17	2	20	16	
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 1-12	12	1	20	-	Chinook only.
2006	WA/OR Border to Cape Falcon	July 3-Aug. 10	29	2	24	16	Sun.-Thurs.; no more than one Chinook; closed south of Tillamook Head Aug. 1-10.
		Aug. 11-Sept. 30	51	2	24	16	Seven days per week; two Chinook allowed; closed south of Tillamook Head Aug. 11-25.
	Cape Falcon to Humbug Mt.	Mar. 15-June 16; Aug. 1-31; Sept. 7-Oct. 31	180	2	20	-	
		June 17-July 31; Sept. 1-6	51	2	20	16	20,000 marked coho quota, includes Humbug Mt. to OR/CA border June 17-July 4 and Sept. 1-6.
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Nov. 1-15	15	2	20	-	Chinook only.
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	45	2	20	-	Chinook only.
	Humbug Mt. to OR/CA Border	May 15-June 16	33	2	24	-	
		June 17-July 4; Sept. 1-6	24	2	20	16	20,000 marked coho quota includes Cape Falcon to Humbug Mt.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 1-12	12	1	20	-	Chinook only.

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2008.[a/] (Page 4 of 5)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho[b/]	Other Restrictions
2007	WA/OR Border to Cape Falcon	July 1 - Aug. 25	56	2	24	16	Seven days per week; no more than one Chinook.
		Sept. 2 - 30	29	2	24	16	Seven days per week; no more than one Chinook.
	Cape Falcon to Humbug Mt.	Mar. 15-June 22; Sept. 17-Oct. 31	145	2	24	-	
		June 23-Sept 16	86	2	24	16	50,000 marked coho quota, includes Humbug Mt. to OR/CA border June 22-Sept. 4.
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Mar. 15-June 22	100	2	24	-	All retained Chinook must have a healed adipose fin clip. Barbed hooks allowed.
		June 23-Sept. 16	86	2	24	16	Barbless hooks required. Beginning August 1 no more than four Chinook in seven consecutive days; 10 Chinook annual limit includes all Chinook from Tillamook, Nehalem, and Nestucca bays and tributaries. Prior to August 1 all retained Chinook must have a healed adipose fin clip.
		Sept. 17-Nov. 15	60	2	24	-	Barbed hooks allowed. No more than four Chinook in seven consecutive days; 10 Chinook annual limit for Tillamook, Nehalem, and Nestucca basins combined.
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-Dec. 15	45	2	24	-	
	Humbug Mt. to OR/CA Border	May 15-June 22	39	2	24	-	
		June 23-Sept. 4	74	2	24	16	50,000 marked coho quota includes Cape Falcon to Humbug Mt.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 1-14	14	1	24	-	No more than four Chinook per season.

TABLE C-4. Summary of actual Oregon recreational ocean salmon regulations, 2001-2008.[a/] (Page 5 of 5)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho[b/]	Other Restrictions
2008[c/]	WA/OR Border to Cape Falcon	June 1-20	20	1	24	-	Chinook only.
		June 21-28	8	2	24	-	Chinook only.
		June 29 - Aug. 17	36	2	24	16	Sun.-Thurs.
	Cape Falcon to OR/CA Border	June 22-Aug. 14	54	2	-	16	All salmon except Chinook; 9,000 marked coho quota.
	Twin Rocks to Pyramid Rock Inside 3 nm (Tillamook Area)	Sept. 1-Nov. 15	76	2	24	-	Chinook only, only one of which can be unmarked. No more than five unmarked Chinook per season.
	Cape Blanco to Humbug Mt. Inside 3 nm (Elk River Area)	Nov. 1-30	30	2	24	-	Chinook only, only one of which can be unmarked. No more than five unmarked Chinook per season.
	Twin Rocks to OR/CA Border Inside 3 nm (Chetco River Area)	Oct. 1-4, 11	5	1	24	-	Chinook only. No more than four Chinook per season.

a/ For earlier years and additional detail, see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-4.
b/ Mark selective coho fishery; all retained coho must be marked with a healed adipose fin clip.
c/ For detailed regulations see TABLE I-3.

TABLE C-5. Summary of actual Washington commercial salmon seasons in state and federal (EEZ) waters, 2001-2008.[a/] (Page 1 of 3)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2001	U.S./Canada Border to WA/OR Border	May 1-June 15	-	46	-	28	-	
		-	July 20-23, 27-30	-	8	28	16	65 Chinook per open period vessel limit
		-	Aug. 3-12	-	10	28	16	100 Chinook per open period vessel limit
		-	Aug. 17-27	-	11	28	16	150 Chinook per open period vessel limit
		-	Aug. 31-Sept. 30	-	31	28	16	No Chinook limit
2002	U.S./Canada Border to WA/OR Border	May 1-June 7	-	38	-	28	-	
		July 1-8	-	8	-	28	-	250 Chinook per open period vessel limit
		July 12-22	-	11	-	28	-	400 Chinook per open period vessel limit
		July 26-31	Aug. 1-5	6	5	28	16	450 Chinook per open period vessel limit; No coho north of Leadbetter Point
		-	Aug. 9-18	-	10	28	16	400 Chinook per open period vessel limit; No coho north of Leadbetter Point
		-	Aug. 22-28	-	7	28	16	250 Chinook per open period vessel limit; No coho north of Leadbetter Point
2003	U.S./Canada Border to WA/OR Border	May 1-June 6;	-	37	-	28	-	
		June 26-30	-	5	-	28	-	50 Chinook per open period vessel limit
		-	July 3-7	-	5	28	16	75 Chinook per open period vessel limit
		-	July 10-14, 17-21, 24-28; July 31-Aug. 4; Aug. 7-11, 14-18, 21-25; Aug. 27-Sept. 1; Sept. 4-8, 11-14	-	49	28	16	150 Chinook per open period vessel limit
2004	U.S./Canada Border to WA/OR Border	May 1-5	-	5	-	28	-	
		May 15-18	-	4	-	28	-	125 Chinook per open period vessel limit
		May 24-26	-	3	-	28	-	70 Chinook per open period vessel limit
		June 26-30	-	5	-	28	-	50 Chinook per open period vessel limit
		-	July 8-12	-	5	28	16	100 Chinook per open period vessel limit
		-	July 16-19, 22-26; July 29-Aug. 2; Aug. 5-9, 11-15, 18-22, 25-29	-	34	28	16	125 Chinook per open period vessel limit No chum beginning Aug. 1
		-	Sept. 1-5	-	5	28	16	125 Chinook per open period vessel limit; no coho mark restriction

TABLE C-5. Summary of actual Washington commercial salmon seasons in state and federal (EEZ) waters, 2001-2008.[a/] (Page 2 of 3)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2005	U.S./Canada Border to WA/OR Border	May 1-3	-	3	-	28	-	75 Chinook per open period vessel limit
		May 6-9	-	4	-	28	-	100 Chinook per open period vessel limit
		May 13-16; 20-26	-	11	-	28	-	125 Chinook per open period vessel limit
		June 3-6	-	4	-	28	-	60 Chinook per open period vessel limit
		June 26-30	-	5	-	28	-	30 Chinook per open period vessel limit
		-	July 7-11;14-18	-	10	28	16	75 Chinook per open period vessel limit
		-	July 21-25; July 28-Aug. 1; Aug. 3-7; 10-14; 17-22	-	36	28	16	100 Chinook per open period vessel limit
2006	U.S./Canada Border to WA/OR Border	May 1-2	-	2	-	28	-	75 Chinook per open period vessel limit
		May 6-9, 13-16, 20-23, 27-30, June 3-6, 10-13	-	24	-	28	-	80 Chinook per open period vessel limit
		June 27-30	-	4	-	28	-	20 Chinook per open period vessel limit
			July 15-18, 22-25		8	28	16	35 Chinook and 35 coho per open period vessel limit
			July 29-Aug. 1		4	28	16	60 Chinook and 35 coho per open period vessel limit
			Aug. 5-7, 12-14		6	28	16	60 Chinook and 40 coho per open period vessel limit
			Aug. 19-22, 26-29, Sept. 2-5		12	28	16	80 Chinook and 40 coho per open period vessel limit
			Sept. 8-15		8	28	16	160 Chinook and 80 coho per open period vessel limit
2007[c/]	U.S./Canada Border to WA/OR Border	May 1-2, 5-8	-	6	-	28	-	Per open period vessel limit: 60 Chinook north of Leadbetter Pt; 40 Chinook south.
		May 12-15, 19-22, 26-29, June 2-5, 9-12, 16-19	-	24	-	28	-	Per open period vessel limit: 60 Chinook north of Leadbetter Pt; 30 Chinook south.
		June 23-26	-	4	-	28	-	Per open period vessel limit: 50 Chinook north of Leadbetter Pt; 30 Chinook south.
			July 1-3, 7-10, 14-17, 21-24		15	28	16	Per open period vessel limit: 40 Chinook north of Leadbetter Pt; 20 Chinook south.
			July 28-31, Aug, 4-7, 11-14		12	28	16	Per open period vessel limit: 20 Chinook north of Leadbetter Pt; 20 Chinook south.
			Aug. 18-21, 25-28, Sep. 1-4, 8-11, 15-16		18	28	16	20 Chinook and 140 coho per open period vessel limit

TABLE C-5. Summary of actual Washington commercial salmon seasons in state and federal (EEZ) waters, 2001-2008.[a/] (Page 3 of 3)

		Seasons		Number of Days		Minimum Size Limit		
Year	Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho[b/]	Other Restrictions
2008[c/]	U.S./Canada Border to WA/OR Border	May 3-6, 10-13, 17-20, 24-27, May 31-June 3, June 7-10, 14-17	-	28	-	28	-	Per open period vessel limit of 50 Chinook north or 50 Chinook south of Leadbetter Point.
		June 21-24	-	4	-	28	-	Per open period vessel limit of 35 Chinook north or 35 Chinook south of Leadbetter Point.
			July 1-2, 5-8, 12-15, 19-22, 26-29;	-	18	28	16	Per open period vessel limit of 35 Chinookand 25 coho north or 35 Chinook and 25 coho south of Leadbetter Point. Plugs >6 in.only.
			Aug. 2-5, 9-12, 16-19, 23-26, Aug. 30-Sept. 2; Sept. 6-9, 13-16	-	28	28	16	Per open period vessel limit of 50 Chinookand 25 coho north or 50 Chinook and 25 coho south of Leadbetter Point. Plugs >6 in. only prior to Aug. 16.

a/ For earlier years and additional detail, see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-5.
b/ Mark selective coho fishery; all retained coho must be marked with a healed adipose fin clip.
c/ For detailed regulations see TABLE I-1.

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2008. [a/] (Page 1 of 4)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Coho[b/]	Other Restrictions
2001	U.S./Canada Border to Cape Alava	July 1-Sept. 30	92	2	24	16	No more than one Chinook
	Cape Alava to Queets River	July 1-Sept. 23	85	2	24	16	No more than one Chinook
	Cake Rock-Q Buoy-Teahwhit Head	Sept. 24-Oct. 21	28	2	24	16	No more than one Chinook
	Queets River to Leadbetter Point	July 1-Sept. 6	69	2	24	16	Sun.-Thurs.; No more than one Chinook
		Sept. 7-30	24	2	24	16	Seven days per week; No more than one Chinook
	Leadbetter Point to WA/OR Border	July 1-Sept. 3	47	2	24	16	Sun.-Thurs.; No more than one Chinook
	Closed Leadbetter Pt. to N. Head Lighthouse Sept. 4-6; Closed N. Head Lighthouse to Klipsan Beach Sept. 7-30	Sept. 4-30	27	2	24	16	Seven days per week; No more than one Chinook
2002	U.S./Canada Border to Cape Alava	May 25-June 16	23	2	24	-	Chinook only
		July 7-20	14	2	24	16	
		July 21-31	11	2	28	16	
		Aug. 1-7	7	2	28	16	No chum
		Aug. 8-Sept. 8	32	2	-	16	No Chinook or chum
	Cape Alava to Queets River	May 25-June 16	23	2	24	-	Chinook only
		July 7-20	14	2	24	16	
		July 21-Aug. 7	18	2	28	16	
		Aug. 8-Sept. 8	32	2	-	16	No Chinook
	Cake Rock-Q Buoy-Teahwhit Head	Sept. 21-Oct. 6	16	2	24	16	No more than one Chinook
	Queets River to Leadbetter Point	May 25-June 16	23	2	24	-	Chinook only
		June 30-July 20	15	2	24	16	Sun.-Thurs.
		July 21-Aug. 17	20	2	28	16	Sun.-Thurs.
		Aug. 18-19	2	2	-	16	Sun.-Thurs.; no Chinook
	Leadbetter Point to WA/OR Border	May 25-June 16	23	2	24	-	Chinook only
		July 7-20	10	2	24	16	Sun.-Thurs.
		July 21-Aug. 7	14	2	26	16	Sun.-Thurs.
		Aug. 8-15	6	2	-	16	Sun.-Thurs.; no Chinook
		Aug. 16-Sept. 2; Sept. 6-15	28	2	-	16	Seven days per week; no Chinook

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2008.[a/] (Page 2 of 4)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho[b/]	Other Restrictions
2003	U.S./Canada Border to Cape Alava	June 22-July 31	40	2[d/]	26	16	No more than one Chinook
		Aug. 1-Sept. 14	45	2[d/]	26	16	No more than one Chinook; no chum
	Cape Alava to Queets River	June 22-Sept. 19	90	2[d/]	26	16	No more than one Chinook
	Cake Rock-Q Buoy-Teahwhit Head	Sept. 20-Oct. 5	16	2[d/]	26	16	No more than one Chinook
	Queets River to Leadbetter Point	June 22-July 24	25	2	26	16	Sun.-Thurs.; no more than one Chinook
		July 25-Sept. 14	52	2	26	16	Seven days per week; no more than one Chinook
	Leadbetter Point to WA/OR Border	June 29-July 24	20	2	26	16	Sun.-Thurs.; no more than one Chinook
		July 25-Sept. 30	68	2	26	16	Seven days per week; no more than one Chinook
2004	U.S./Canada Border to Cape Alava	June 27-July 31	35	2	26	16	No more than one Chinook
		Aug. 1-Sept. 2; Sept. 10-19	43	2	24	16	Two Chinook allowed; no chum
	Cape Alava to Queets River	June 27-Aug. 12	47	2	26	16	No more than one Chinook
		Aug. 13-Sept. 19	38	2	24	16	Two Chinook allowed
	47º58' N. Lat. to 47º50' N. Lat. Inside 3 nm	Sept. 25-Oct. 10	16	2	24	16	Two Chinook allowed
	Queets River to Leadbetter Point	June 27-July 22	19	2	26	16	Sun.-Thurs.; no more than one Chinook
		July 23-Aug. 12	21	2	26	16	Seven days per week
		Aug. 13-28	16	2	24	16	
		Aug. 29-Sept. 6	9	2	24	16	No coho mark restriction
	WA/OR Border to Cape Falcon	June 27-July 22	19	2	26	16	Sun.-Thurs.; no more than one Chinook
		July 23-Aug. 12	21	2	26	16	Seven days per week
		Aug. 13-Sept. 30	49	2	24	16	

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2008.[a/] (Page 3 of 4)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho[b/]	Other Restrictions
2005	U.S./Canada Border to Cape Alava	July 1-July 31	22	2	24	16	Tues.-Sat.; no more than one Chinook
		Aug. 1-15	10	2	24	16	Tues-Sat.; no more than one Chinook; no chum
		Aug. 16-29	10	2	24	16	Tues.-Sat.; two Chinook allowed; no chum
		Aug. 30-Sept. 18	20	2	24	16	Seven days per week; two Chinook allowed; no chum
	Cape Alava to Queets River	July 1-28	20	2	24	16	Tues.-Sat.; no more than one Chinook
		July 29-Sept. 18	52	2	24	16	Seven days per week; two Chinook allowed
	48º00' N. Lat. to 47º50' N. Lat.	Sept. 24-Oct. 9	16	2	24	16	Seven days per week; two Chinook allowed
	Queets River to Leadbetter Point	June 26-July 28	25	2	24	16	Sun.-Thurs; no more than one Chinook
		July 29-Sept. 18	52	2	24	16	Seven days per week; two Chinook allowed
	Leadbetter Point to WA/OR Border	July 3-28	20	2	24	16	Sun.-Thurs; no more than one Chinook
		July 29-Sept. 8; Sept.17-30	56	2	24	16	Seven days per week; two Chinook allowed
		Sept. 9-16	8	2	-	16	Seven days per week; no Chinook
2006	U.S./Canada Border to Cape Alava	June 30-Aug. 10	30	2	24	16	Tues.-Sat.; no more than one Chinook
		Aug. 11-Sept. 17	38	2	24	16	Seven days per week; two Chinook allowed
	Cape Alava to Queets River	June 30-Aug. 10	30	2	24	16	Tues.-Sat.; no more than one Chinook
		Aug. 11-Sept. 17	38	2	24	16	Seven days per week; two Chinook allowed
	48º00' N. Lat. to 47º50' N. Lat.	Sept. 23-Oct. 8	16	2	24	16	Seven days per week; two Chinook allowed
	Queets River to Leadbetter Point	July 3-Aug. 10	29	2	24	16	Sun.-Thurs.; no more than one Chinook
		Aug. 11-Sept. 17	38	2	24	16	Seven days per week; two Chinook allowed
	Leadbetter Point to WA/OR Border	July 3-Aug. 10	29	2	24	16	Sun.-Thurs.; no more than one Chinook
		Aug. 11-Sept. 30	51	2	24	16	Seven days per week; two Chinook allowed

TABLE C-6. Summary of actual Washington recreational ocean salmon regulations, 2001-2008.[a/] (Page 4 of 4)

Year	Area	Season	Days	Bag Limit	Minimum Size Limit (in.) Chinook	Minimum Size Limit (in.) Coho[b/]	Other Restrictions
2007	U.S./Canada Border to Cape Alava	July 3 - Aug. 16	33	2[e/]	24	16	Tues.-Sat.; no more than one Chinook
		Aug. 17 - Sept. 15	30	2[e/]	24	16	Seven days per week; no more than one Chinook
	Cape Alava to Queets River	July 3 - Aug. 16	33	2[e/]	24	16	Tues.-Sat.; no more than one Chinook
		Aug. 17 - Sept. 15	30	2[e/]	24	16	Seven days per week; no more than one Chinook
	48º00' N. Lat. to 47º50' N. Lat.	Sept. 22 - Oct. 7	16	2[e/]	24	16	Seven days per week; no more than one Chinook
	Queets River to Leadbetter Point	July 1 - Aug. 16	35	2	24	16	Sun.-Thurs.; no more than one Chinook
		Aug. 17 - Sept. 16	31	2	24	16	Seven days per week; no more than one Chinook
	Leadbetter Point to WA/OR Border	July 1 - Aug. 25	56	2	24	16	Seven days per week; no more than one Chinook
		Sept. 2 - 30	29	2	24	16	Seven days per week; no more than one Chinook
2008[c/]	U.S./Canada Border to Cape Alava	June 3-20	14	1	24	-	Tues.-Sat.; Chinook only.
		June 21-28	6	2	24	-	Tues.-Sat.; Chinook only.
		July 1 - Aug. 23	40	2	24	16	Tues.-Sat.; no Chinook retention East of Bonilla-Tatoosh line in August.
		Aug. 26 - Sept. 13	19	2	-	16	Seven days per week; closed west of Bonilla-Tatoosh line; no chinook retention.
	Cape Alava to Queets River	June 3-20	14	1	24	-	Tues.-Sat.; Chinook only.
		June 21-28	6	2	24	-	Tues.-Sat.; Chinook only.
		July 1 - Aug. 23	40	2	24	16	Tues.-Sat.
		Aug. 26 - Sept. 13	19	2	24	16	Seven days per week.
	48º00' N. Lat. to 47º50' N. Lat.	Sept. 20 - Oct. 5	16	2	24	16	Seven days per week
	Queets River to Leadbetter Point	June 1-19	15	1	24	-	Sun.-Thurs.; Chinook only.
		June 22-26	5	2	24	-	Sun.-Thurs.; Chinook only.
		June 29 - Aug. 25	42	2	24	16	Sun.-Thurs.
		Aug. 26 - Sept. 13	19	2	24	16	Seven days per week.
	Leadbetter Point to WA/OR Border	June 1-20	20	1	24	-	Seven days per week; Chinook only.
		June 21-28	8	2	24	-	Seven days per week; Chinook only.
		June 29 - Aug. 17	36	2	24	16	Sun.-Thurs.

a/ For earlier years and additional detail, see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-6.
b/ Mark selective coho fishery; all retained coho must be marked with a healed adipose fin clip except Aug. 29-Sept. 6, 2004 Queets River to Leadbetter Point.
c/ For detailed regulations see TABLE I-3.
d/ Plus one additional pink salmon.
e/ Plus one additional pink salmon beginning August 1.

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2007.[a/] (Page 1 of 5)

		Seasons		Number of Days		Minimum Size Limit		
Year	Tribe/Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho	Other Restrictions
2001	**Quinault, Quileute, and Hoh**							
	Sand Point to Point Chehalis	May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
	Makah							
	Ocean waters north of 48º02'15" N. Lat.	May 1-June 30	-	61	-	24	-	
	and east of 125º44'00" W. Long.	-	July 1-Sept. 15	-	77	24	16	
	Area 4B inside waters	Jan. 1-Apr. 15	-	105	-	22	-	
		May 1-June 30	-	61	-	24	-	
		-	July 2-Sept. 15	-	76	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	
	S'Klallam							
	Area 4B inside waters	-	Jan. 1-Apr. 15	-	105	22	16	
		May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
		Nov. 1-Dec. 31	-	61	-	22	-	
2002	**Quinault, Quileute, and Hoh**							
	Sand Point to Point Chehalis	May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
	Makah							
	Ocean waters north of 48º02'15" N. Lat.	May 1-June 30	-	61	-	24	-	
	and east of 125º44'00" W. Long.	-	July 1-Sept. 15	-	77	24	16	
	Area 4B inside waters	Jan. 1-Apr. 15	-	105	-	22	-	
		May 1-June 30	-	61	-	24	-	
		-	July 2-Sept. 15	-	76	24	16	
		Sept. 16-Oct. 31	-	46	-	24	-	
		Nov. 1-Dec. 31	-	61	-	22	-	
	S'Klallam							
	Area 4B inside waters	-	Jan. 1-Apr. 15	-	105	22	16	
		May 1-June 30	-	61	-	24	-	
		-	July 1-Oct. 31	-	123	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2008.[a/] (Page 2 of 5)

		Seasons		Number of Days		Minimum Size Limit		
Year	Tribe/Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho	Other Restrictions
2003	**Quinault, Quileute, and Hoh**							
	Sand Point to Point Chehalis	May 1-June 30	-	61	-	24	-	No size limits for ceremonial and subsistence
		-	July 1-Sept. 15	-	77	24	16	No size limits for ceremonial and subsistence
	Sand Point to Queets River (Quileute only)	-	Sept. 16-Oct. 15	-	30	None	None	Ceremonial and subsistence only
	Makah							
	Ocean waters north of 48º02'15" N. Lat. and east of 125º44'00" W. Long.	May 1-June 30	-	61	-	24	-	No size limits for ceremonial and subsistence
		-	July 1-Sept. 15	-	77	24	16	No size limits for ceremonial and subsistence
	Area 4B inside waters	Jan. 1-Apr. 15	-	105	-	22	-	No size limits for ceremonial and subsistence
		May 1-June 30	-	61	-	24	-	No size limits for ceremonial and subsistence
		-	July 1-Sept. 15	-	77	24	16	No size limits for ceremonial and subsistence
		Sept. 16-Oct. 31	-	46	-	24	-	No size limits for ceremonial and subsistence
		Nov. 1-Dec. 31	-	61	-	22	-	No size limits for ceremonial and subsistence
	S'Klallam							
	Area 4B inside waters	-	Jan. 1-Apr. 15	-	105	22	16	No size limits for ceremonial and subsistence
		May 1-June 30	-	61	-	24	-	No size limits for ceremonial and subsistence
		-	July 1-Oct. 31	-	123	24	16	No size limits for ceremonial and subsistence
		-	Nov. 1-Dec. 31	-	61	22	16	No size limits for ceremonial and subsistence
2004	**Quinault, Quileute, and Hoh**							
	Sand Point to Point Chehalis	May 1-June 17	-	48	-	24	-	
		-	July 1-Sept. 10	-	72	24	16	
	Sand Point to Queets River (Quileute only)	-	Sept. 16-Oct. 15	-	30	24	16	Ceremonial and subsistence only
	Makah							
	Ocean waters north of 48º02'15" N. Lat. and east of 125º44'00" W. Long.	May 1-June 17	-	48	-	24	-	
		-	July 1-Sept. 10	-	72	24	16	
	Area 4B inside waters	Jan. 1-Apr. 15	-	106	-	22	-	
		May 1-June 17	-	48	-	24	-	
		-	July 1-Sept. 10	-	72	24	16	
		Sept. 16-Oct. 31	-	46	-	24	-	
		Nov. 1-Dec. 31	-	61	-	22	-	
	S'Klallam							
	Area 4B inside waters	-	Jan. 1-Apr. 15	-	106	22	16	
		May 1-June 17	-	48	-	24	-	
		-	July 1-Sept. 10; Sept. 16-Oct. 31	-	118	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2008.[a/] (Page 3 of 5)

		Seasons		Number of Days		Minimum Size Limit		
Year	Tribe/Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho	Other Restrictions
2005	**Quinault, Quileute, and Hoh**							
	Sand Point to Point Chehalis	May 1-June 23	-	54	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
	Sand Point to Queets River (Quileute only)		Sept. 16-Oct. 15	-	30	24	16	Ceremonial and subsistence only
	Makah							
	Ocean waters north of 48º02'15" N. Lat. and east of 125º44'00" W. Long.	May 1-June 23	-	54	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
	Area 4B inside waters							
		-	Jan. 1-Feb. 3	-	34	22	16	
		May 1-June 23	-	54	-	24	-	
		-	July 1-July 3	-	55	24	16	
			July 19-23; 26-30; Aug. 2-6; 9-13; Aug. 15-Sept. 15	-				
		-	Nov. 1-Dec. 31	-	61	22	16	
	S'Klallam							
	Area 4B inside waters	-	Jan. 1-Apr. 15	-	105	22	16	
		May 1-June 23	-	54	-	24	-	
		-	July 1-Sept. 15; Sept. 16-Oct. 31	-	123	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2008.[a/] (Page 4 of 5)

		Seasons		Number of Days		Minimum Size Limit		
Year	Tribe/Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho	Other Restrictions
2006	**Quinault, Quileute, and Hoh**							
	Sand Point to Point Chehalis	May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
	Sand Point to Queets River (Quileute only)		Sept. 16-Oct. 15	-	30	24	16	Ceremonial and subsistence only
	Makah							
	Ocean waters north of 48º02'15" N. Lat. and east of 125º44'00" W. Long.	May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
	Area 4B inside waters							
		-	Jan. 1-Apr. 15	-	105	22	16	
		May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	
	S'Klallam							
	Area 4B inside waters	-	Jan. 1-Apr. 15	-	105	22	16	
		May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15; Sept. 16-Oct. 31	-	123	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	
2007	**Quinault, Quileute, and Hoh**							
	Sand Point to Point Chehalis	May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 4	-	66	24	16	
	Sand Point to Queets River (Quileute only)		Sept. 16-Oct. 15		30	24	16	Ceremonial and subsistence only
	Makah							
	Ocean waters north of 48º02'15" N. Lat. and east of 125º44'00" W. Long.	May 1-June 30	-	61	-	24	-	
		-	July 1-Aug. 31	-	62	24	16	
	Area 4B inside waters							
		-	Jan. 1-Apr. 15	-	105	22	16	
		May 1-June 30	-	61	-	24	-	
		-	July 1-Aug. 31	-	62	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	
	S'Klallam							
	Area 4B inside waters	-	Jan. 1-Apr. 15	-	105	22	16	
		May 1-June 30	-	61	-	24	-	
		-	July 1-Oct. 31	-	123	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	

TABLE C-7. Summary of actual Washington treaty Indian ocean and Area 4B troll salmon seasons, 2001-2008.[a/] (Page 5 of 5)

		Seasons		Number of Days		Minimum Size Limit		
Year	Tribe/Area	All-Salmon-Except-Coho	All Salmon	All-Salmon-Except-Coho	All Salmon	Chinook	Coho	Other Restrictions
2008[b/]	**Quinault, Quileute, and Hoh**							
	Sand Point to Point Chehalis	May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
	Sand Point to Queets River (Quileute only)	-	Sept. 16-Oct. 15	-	30	24	16	Ceremonial and subsistence only
	Makah							
	Ocean waters north of 48º02'15" N. Lat. and east of 125º44'00" W. Long.	May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
	Area 4B inside waters							
		-	Jan. 1-Apr. 15	-	106	22	16	
		May 1-June 30	-	61	-	24	-	
		-	July 1-Sept. 15	-	77	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	
	S'Klallam							
	Area 4B inside waters	-	Jan. 1-Apr. 15	-	106	22	16	
		May 1-June 30	-	61	-	24	-	
		-	July 1-Oct. 31	-	123	24	16	
		-	Nov. 1-Dec. 31	-	61	22	16	

a/ For earlier years and additional detail, see Review of 2004 Ocean Salmon Fisheries, Appendix C, Table C-7.
b/ For detailed regulations see TABLE I-2.

TABLE C-8. Council preseason adopted catch quotas (thousands of fish) for ocean fisheries north of Cape Falcon and critical stocks driving management. (Page 1 of 2)

	Chinook				Coho			
		Catch Quota				Catch Quota		
Year	Critical Stocks	Treaty Indian	Non-Indian Commercial	Sport	Critical Stocks	Treaty Indian	Non-Indian Commercial	Sport
1979	None	-	-	-	None	-	-	-
1980	None	-	-	-	Washington coastal coho	-	-	-
1981	None	-	-	-	Hoh and Skagit[a/]	-	372.0	248.0
1982	None	-	-	-	Washington coastal coho	-	293.0	215.0
1983	Columbia River hatchery and depressed upriver stocks	-	114.0	88.0	Queets and Skagit[b/]	-	164.0	318.0
1984	Columbia River Lower River and Spring Creek Hatchery tules	8.3	16.7	10.3	Grays Harbor	38.5	24.8	50.2
1985	Columbia River Spring Creek Hatchery tules	10.5	47.5[c/]	37.2	Skagit	75.0	91.5	198.4
1986	Columbia River Spring Creek Hatchery tules	12.5	51.0	37.1	Quillayute and Queets	86.0	140.6	207.5
1987	Columbia River Spring Creek Hatchery tules	15.8	58.2[d/]	44.6	Skagit	86.0	141.2	200.9
1988	Columbia River upriver stocks	60.0	73.7	29.8	Washington coastal and Puget Sound	68.0	0.0[e/]	100.0
1989	Columbia River upriver stocks	32.0	47.5	47.5	Queets and Skagit	77.0	75.0	225.0
1990	Columbia River Lower River Hatchery tules	31.2	37.5	37.5	Queets and Skagit	90.0	105.0	245.0
1991	Columbia River Lower River Hatchery tules	33.0	40.0	40.0	Hood Canal and Skagit	80.0	87.0	233.0
1992	Columbia River Lower River and Spring Creek Hatchery tules, and Snake River falls	33.0	47.0	33.0	Hood Canal and Stillaguamish	68.0	19.0	141.0
1993	Columbia River Lower River and Spring Creek Hatchery tules, and Snake River falls	33.0	35.0	25.0	Skagit	90.0	47.5	202.5
1994	Columbia River Lower River Hatchery tules and Snake River falls	16.4	0.0	0.0	Washington coastal and Puget Sound	0.0	0.0	0.0
1995	Columbia River Lower River Hatchery tules and Snake River falls	12.0	0.0	0.0	Washington coastal and Puget Sound	30.0	25.0	75.0
1996	Columbia River Lower River Hatchery tules and Snake River falls	11.0	0.0	0.0	Washington coastal and Puget Sound	30.0	20.8	62.2
1997	Snake River falls	15.0	11.5	5.2	Washington coastal and Puget Sound	12.4	0.0	32.3[f/]
1998	Columbia River Lower River Hatchery tules	15.0	6.5	3.5	Washington coastal and Oregon Coast Natural	10.0	0.0	16.0
1999	Columbia River Lower River Wild (Lewis River)	30.0	28.5	21.5	Queets, Strait of Juan de Fuca, and Oregon Coast Natural	38.5	20.0	110[g/]
2000	Columbia River Lower River Wild (Lewis River)	25.5	12.5	12.5	Queets, Skagit, Stillaguamish, Snohomish, Strait of Juan de Fuca, and Oregon Coast	20.0	25.0[g/]	75.0[g/]
2001	Columbia River natural tules (Coweeman)	37.0	30.0	30.0	Oregon Coast Natural	90.0	75.0[g/]	225.0[g/]
2002	Columbia River natural tules (Coweeman)	60.0	82.5	67.5	Oregon Coast Natural	60.0	5.0[g/i/]	115.0[g/i/]

TABLE C-8. Council preseason adopted catch quotas (thousands of fish) for ocean fisheries north of Cape Falcon and critical stocks driving management. (Page 2 of 2)

	Chinook				Coho			
		Catch Quota				Catch Quota		
Year	Critical Stocks	Treaty Indian	Non-Indian Commercial	Sport	Critical Stocks	Treaty Indian	Non-Indian Commercial	Sport
2003	Columbia River natural tules (Coweeman) and Snake River falls	60.0	64.4	59.6	Oregon Coast Natural	90.0	75.0[g/]	225.0[g/]
2004	Snake River falls and Columbia River natural tules (Coweeman)	49.0	44.5	44.5	Interior Fraser (B.C.), Oregon Coast Natural, and upper Columbia River escapement	75.0	67.5[g/]	202.5[g/]
2005	Snake River falls	48.0	43.3	43.3	Interior Fraser (B.C.) and Skagit River	50.0	23.2[g/]	121.8[g/]
2006	Columbia River natural tules (Coweeman)[h/]	42.2	34.0	31.0	Lower Columbia River natural and Interior Fraser (B.C.)	37.5	6.8[g/]	73.2[g/]
2007	Columbia River natural tules (Coweeman)[h/]	35.0	16.3	16.3	Lower Columbia River natural and Interior Fraser (B.C.)	38.0	22.4[g/]	117.6[g/]
2008	Lower River wild (Lewis River)[h/] and Columbia River natural tules (Coweeman)	37.5	20.0	20.0	Lower Columbia River natural and Hood Canal Natural	20.0	4.0[g/]	20.35[g/]

a/ Although the Skagit River escapement goal would not be achieved, management was based on meeting WDFW's escapement goal for Hoh River coho and allocation based on aggregation to Washington coastal tribes.

b/ The Council management regime was not expected to meet equitable adjustment requirements for Skagit River coho.

c/ Plus 7,430 hooking mortality for pink fishery.

d/ Plus 3,250 hooking mortality for pink fishery.

e/ Hooking mortality of 2,800 coho for June 1-15 fishery not included.

f/ Plus 1,200 hook-and-release mortality for the Neah Bay all-salmon-except-coho fishery.

g/ Marked hatchery coho only (healed adipose fin clip). Except 2004 non-Indian troll Sept. 1-5 between Queets River and Cape Falcon, and sport Aug. 29-Sept. 6 between Queets River and Leadbetter Point.

h/ Sharing of impacts on ESA listed Puget Sound Chinook also affected the shaping of ocean and inside fisheries.

i/ For 2002, the Council elected to constrain fishing so that the OCN exploitation rate would not exceed 12.5 percent per ODFW's recommendation to provide additional protection for lower Columbia River natural coho, which are listed as endangered under the Oregon State-ESA. The FMP objective for OCN coho was 15 percent.

TABLE C-9. Sequence of events in ocean salmon fishery management, 2008.[a/] (Page 1 of 4)

GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES

Feb. 26	National Marine Fisheries Service (NMFS) provides the Council with a letter outlining the 2008 management guidance for stocks listed under the Endangered Species Act (ESA).
Mar. 13	Based on Council recommendations, NMFS takes inseason action to: 1. delay the opening for the commercial salmon fishery between Cape Falcon, Oregon and the OR/CA border from March 15 to April 15; 2. close the commercial salmon fishery from Horse Mt., California to Point Arena effective April 7; 3. delay the opening for the recreational salmon fishery between Cape Falcon, Oregon and Humbug Mt., Oregon from March 15 to April 15; 4. close the recreational salmon fishery from Horse Mt., California to Point Arena effective April 1; 5. close the recreational salmon fishery from Point Arena, California to the U.S./Mexico border effective April 5. New regulations to take effect May 1, 2008.
Mar. 14	Council adopts three commercial and recreational ocean salmon fishery management options for public review.
Mar. 18	North of Cape Falcon Salmon Forum meets in Olympia, Washington to initiate consideration of recommendations for treaty Indian and non-Indian salmon management options.
Mar. 31-Apr. 1	Council holds public hearings on proposed 2008 management options in Westport, Washington, Coos Bay, Oregon, and Eureka , California.
Apr. 1	North of Cape Falcon Salmon Forum meets in Lynnwood, Washington to further consider recommendations for treaty Indian and non-Indian salmon management options.
Apr. 9	Based on Council recommendations, NMFS takes inseason action to: 1. close the commercial salmon fishery between Cape Falcon, Oregon and the OR/CA border effective April 15; 2. close the recreational salmon fishery between Cape Falcon, Oregon and Humbug Mt., Oregon effective April 15. New regulations to take effect May 1, 2008.
Apr. 10	Council adopts final ocean salmon fishery management recommendations for approval and implementation by the U.S. Secretary of Commerce. The proposed measures comply with the salmon fishery management plan (FMP) and the current biological opinions for listed species except that the Sacramento River fall Chinook spawning escapement is projected to be 59,000 hatchery and natural adults, less than the 122,000-180,000 FMP conservation objective; therefore, an emergency rule is required for implementation of fisheries south of Cape Falcon, Oregon.
May 4	Ocean salmon seasons implemented as recommended by the Council and published in the *Federal Register* on May 1 (73 FR 23971).
June 19	NMFS inseason conference number three for the U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon except coho fishery results in: 1. changing the landing and possession limit to 35 Chinook north of Leadbetter Point or 35 Chinook south of Leadbetter Point, per open period effective June 21; 2. closing the fishery effective 11:59 p.m. June 24.
June 20	NMFS inseason conference number four results in changing the bag limit to allow retention of two Chinook effective June 21 for the U.S./Canada border to Cape Falcon, non-Indian recreational Chinook only fishery and the all species fishery scheduled to open June 29 in the Columbia River and Westport subareas and July 1 in the La Push and Neah Bay subareas.
July 30	NMFS inseason conference number five for the U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon except coho fishery results in changing the landing and possession limit to 50 Chinook and 25 marked coho north of Leadbetter Point or 50 Chinook and 25 marked coho south of Leadbetter Point, per open period effective August 2.

GENERAL MANAGEMENT ACTIONS AND INSEASON CONFERENCES (continued)

Aug.12	NMFS inseason conference number six results in closing the recreational mark selective coho fishery between Cape Falcon, Oregon and the OR/CA border effective 11:59 p.m. August 14 as the quota was reached.
Aug. 13	NMFS inseason conference number seven for the U.S./Canada border to Cape Falcon, non-Indian commercial all-species fisheries results in lifting the 6-inch plug only gear restriction effective August 16.
Aug. 15	NMFS inseason conference number eight for the U.S./Canada border to Cape Falcon, non-Indian commercial and Leadbetter Point to Cape Falcon recreational all-species fisheries results in: 1. trading 1,000 coho from the commercial fishery quota for 500 Chinook from the recreational fishery quota, resulting in increasing the commercial Chinook quota by 500 to 8,800, and increasing the Columbia River subarea coho quota by 1,200 to 11,380. The coho trade was impact neutral for lower Columbia River natural coho due to lower hook and release mortality in the recreational fishery. 2. closing the Columbia River subarea recreational fishery effective 2:00 p.m. August 17 as the coho quota was reached.
Aug. 25	NMFS inseason conference number nine for the U.S./Canada border to Leadbetter Point, recreational all-species fishery results in: 1. closing the Neah Bay subarea fishery west of the Bonilla-Tatoosh line effective August 25 as the coho quota was reached. The state waters Area 4B add-on fishery east of the Bonilla-Tatoosh line opens August 26; 2. allowing fishing seven days per week in the La Push and Westport subarea recreational fisheries effective August 26.

NON-INDIAN COMMERCIAL TROLL SEASONS

May 3-June 17	U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon-except-coho fishery opens Saturday to Tuesday through June 17 with an 11,700 Chinook quota, and a landing and possession limit of 50 Chinook north of Leadbetter Point or 50 Chinook south of Leadbetter Point., per vessel per open period.
June 21-24	U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon-except-coho fishery reopens Saturday to Tuesday through June 24 with the remainder of the 11,700 Chinook quota, and a landing and possession limit of 35 Chinook north of Leadbetter Point or 35 Chinook south of Leadbetter Point, per vessel for the final four day open period.
July 1- Sept. 16	U.S./Canada border to Cape Falcon, non-Indian commercial all-salmon fishery opens through the earlier of September 16 or quotas (post trade) of 8,800 Chinook and 3,000 marked (adipose fin clipped) coho. July 1-2, then July 5 through August 12: Saturday to Tuesday, with a 35 Chinook and 25 marked coho north of Leadbetter Point or 35 Chinook and 25 marked coho south of Leadbetter Point, per vessel per open period landing and possession limit. Gear is restricted to plugs six inches or longer. August 16 through September 16: Saturday to Tuesday, with a 35 Chinook and 25 marked coho north of Leadbetter Point or 35 Chinook and 25 marked coho south of Leadbetter Point, per vessel per open period landing and possession limit. No special gear restrictions.

TREATY INDIAN COMMERCIAL TROLL SEASONS

May 1	All-salmon-except-coho fisheries open through the earlier of June 30 or a 20,000 Chinook quota.
June 30	All-salmon-except-coho fisheries close as scheduled.
July 1	All-salmon fisheries open through the earlier of September 15, a 17,500 Chinook quota, or a 20,000 non-mark-selective coho quota.
Sep. 15	All-salmon commercial fisheries close as scheduled.

RECREATIONAL SEASONS

Feb. 16	Horse Mt. to Point Arena, all-salmon-except-coho fishery opens through March 31.
June 1/3	U.S./Canada border to Leadbetter Point, Chinook only fishery opens through the earlier of June 28 or an 8,200 Chinook quota. Fishery is open Sunday to Thursday south of the Queets River and Tuesday to Saturday north of the Queets River; a daily-bag-limit of one Chinook through June 20. Beginning June 21 the bag limit is two Chinook.
June 1	Leadbetter Point to Cape Falcon, Chinook only fishery opens through the earlier of June 28 or a 5,300 Chinook guideline. Fishery is open seven days per week; a daily-bag-limit of one Chinook through June 20. Beginning June 21 the bag limit is a two Chinook.
June 22	Cape Falcon to OR/CA border, all-salmon mark-selective coho fishery opens through the earlier of August 31, or a quota of 9,000 marked coho.
June 26/28	U.S./Canada border to Leadbetter Point, Chinook only fishery closes as scheduled.
June 28	Leadbetter Point to Cape Falcon, Chinook only fishery closes as scheduled.
June 29	Queets River to Leadbetter Point, all-salmon mark-selective coho fishery opens though the earlier of September 13 or a 7,520 marked coho quota, with a 5,100 Chinook guideline. Fishery is open Sunday to Thursday with a daily-bag-limit of two fish through August 21. Beginning August 24 the fishery is open seven days per week. All coho must have a healed adipose fin clip.
June 29	Leadbetter Point to Cape Falcon, all-salmon mark-selective coho fishery opens though the earlier of September 30 or an 11,380 (post trade) marked coho quota, with the remainder of the 4,600 (post trade) Chinook guideline. Fishery is open Sunday to Thursday with a daily-bag-limit of two fish. All coho must have a healed adipose fin clip.
July 1	U.S./Canada border to Cape Alava, all-salmon mark-selective coho fishery opens through the earlier of September 13 or a 2,060 coho quota, with a 950 Chinook guideline. Fishery is open Tuesday to Saturday with a daily-bag-limit of two fish. All coho must have a healed adipose fin clip. No chum retention in August and September.
	Cape Alava to Queets River, all-salmon mark-selective coho fishery opens though the earlier of September 13 or a 540 coho quota, with a 350 Chinook guideline. Fishery is open Tuesday to Saturday with a daily-bag-limit of two fish through August 23. Beginning August 26 the fishery is open seven days per week with a two fish bag limit and no Chinook bag restriction. All coho must have a healed adipose fin clip.
Aug. 14	Cape Falcon to OR/CA border, all-salmon mark-selective coho fishery closes as the quota is reached.
Aug. 17	Leadbetter Point to Cape Falcon, all-salmon mark-selective coho fishery closes effective 2 p.m. as the coho quota is reached.

TABLEC-9. Sequence of events in ocean salmon fishery management, 2008.[a/] (Page 4 of 4)

	RECREATIONAL SEASONS, (continued)
Aug. 23	U.S./Canada border to Cape Alava, all-salmon mark-selective coho fishery closes as the coho quota is reached.
Aug. 26	The Area 4B all salmon except Chinook mark selective coho fishery opens through the earlier of September 13 or a 4,000 coho quota.
Sep. 13	The Area 4B all-salmon mark selective coho fishery closes as scheduled.
	Cape Alava to Queets River, all-salmon mark-selective coho fishery closes as scheduled.
	Queets River to Leadbetter Point, all-salmon non-mark-selective fishery closes as scheduled.
Sep. 20	La Push area (48°00'00" N. Lat. to 47°50'00" N. Lat.), all-salmon mark-selective coho fishery opens through the earlier of October 5, a 100 Chinook quota or a 134 coho quota (50 preseason plus 84 remaining from Cape Alava to Queets River fishery).
Oct. 5	La Push area, all-salmon mark-selective coho fishery closes as scheduled.

a/ Unless stated otherwise, season openings or modifications of restrictions are effective at 0001 hours of the listed date. Closures are effective at 2359 hours of the listed date.

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APPENDIX D
HISTORICAL ECONOMIC DATA

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TABLE D-1. California monthly troll Chinook and coho average dressed weights (pounds) by area of landing. (Page 1 of 3)

Year	Apr.	May	June	July	Aug.	Sept.	Oct.	Season [a/]	May	June	July	Aug.	Sept.	Season
	CHINOOK								COHO					
Crescent City														
1976-1980	8.6	8.5	8.8	9.0	9.8	8.4	-	8.9	4.0	4.6	6.2	7.0	7.4	5.6
1981-1985	-	7.7	8.3	8.6	8.7	9.2	-	8.5	3.9	4.6	5.4	6.4	6.8	5.9
1986-1990	-	-	9.6	9.5	9.2	9.4	-	9.6	-	5.0	5.0	4.5	5.6	5.0
1991-1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	8.3	10.6	-	9.6	-	-	-	-	-	-
1997	-	-	-	-	-	10.0	-	10.0	-	-	-	-	-	-
1998	-	-	-	-	-	8.9	-	8.9	-	-	-	-	-	-
1999	-	-	-	-	-	10.6	-	10.6	-	-	-	-	-	-
2000	-	-	-	-	-	10.7	-	10.7	-	-	-	-	-	-
2001	-	-	-	-	-	13.8	-	13.8	-	-	-	-	-	-
2002	-	-	-	-	13.4	12.1	11.1	12.2	-	-	-	-	-	-
2003	12.0	12.0	12.0	-	-	10.3	9.1	11.2	-	-	-	-	-	-
2004	10.1	-	9.8	11.6	11.9	10.8	-	11.8	-	-	-	-	-	-
2005	-	-	-	-	-	14.1	-	14.1	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	13.7	-	13.7	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eureka														
1976-1980	7.7	8.1	8.4	8.9	9.2	9.5	-	8.4	4.1	4.4	6.2	6.9	6.8	5.1
1981-1985	-	7.4	8.2	8.9	9.2	9.6	-	6.6	4.6	4.7	5.9	6.2	6.6	5.7
1986-1990	-	-	9.0	10.1	10.2	9.2	9.6	9.3	-	5.1	5.6	5.5	6.2	5.3
1991-1995	-	-	-	-	-	9.5	17.7	10.1	-	-	-	-	6.2	6.2
1996	-	-	-	-	11.9	10.3	-	10.7	-	-	-	-	-	-
1997	-	-	-	-	-	10.0	-	10.0	-	-	-	-	-	-
1998	-	-	-	-	-	8.9	-	8.9	-	-	-	-	-	-
1999	-	-	-	-	-	10.4	-	10.4	-	-	-	-	-	-
2000	-	-	-	-	-	10.9	-	10.9	-	-	-	-	-	-
2001	-	-	-	-	-	11.5	-	11.5	-	-	-	-	-	-
2002	-	-	-	-	11.4	12.1	-	12.0	-	-	-	-	-	-
2003	-	-	-	-	-	9.9	-	9.9	-	-	-	-	-	-
2004	-	-	-	-	-	11.4	-	11.4	-	-	-	-	-	-
2005	-	-	-	-	-	11.8	-	11.8	-	-	-	-	-	-
2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	12.3	-	12.3	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D-1. California monthly troll Chinook and coho average dressed weights (pounds) by area of landing. (Page 2 of 3)

Year	Apr.	May	June	July	Aug.	Sept.	Oct.	Season [a/]	May	June	July	Aug.	Sept.	Season
	CHINOOK								COHO					
Fort Bragg														
1976-1980	7.7	8.5	7.8	10.5	10.1	10.1	-	10.0	4.1	4.7	6.8	7.0	8.8	5.9
1981-1985	7.6	9.0	10.4	9.6	10.3	10.1	-	9.8	5.3	6.0	6.3	6.6	7.2	6.2
1986-1990	-	9.3	10.2	9.3	10.1	10.1	-	9.6	-	5.3	5.8	6.4	6.2	5.7
1991-1995	-	8.2	-	-	10.5	10.4	-	10.7	-	-	-	6.4	-	6.4
1996	-	-	-	-	11.0	11.7	-	11.2	-	-	-	-	-	-
1997	-	-	-	-	-	9.3	-	9.3	-	-	-	-	-	-
1998	-	-	-	-	-	12.2	-	12.2	-	-	-	-	-	-
1999	-	-	-	-	-	12.2	-	12.2	-	-	-	-	-	-
2000	-	-	-	-	-	11.5	-	11.5	-	-	-	-	-	-
2001	-	12.3	-	-	-	13.0	-	12.8	-	-	-	-	-	-
2002	-	-	-	11.7	13.8	15.3	-	13.4	-	-	-	-	-	-
2003	-	14.9	-	12.7	12.1	11.4	-	12.4	-	-	-	-	-	-
2004	-	-	-	12.0	11.7	13.1	-	12.0	-	-	-	-	-	-
2005	-	-	-	-	-	12.2	-	12.2	-	-	-	-	-	-
2006	-	-	-	-	-	15.9	-	15.9	-	-	-	-	-	-
2007	12.5	-	-	-	15.8	12.9	-	15.6	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Francisco														
1976-1980	8.5	8.9	7.8	10.7	11.3	11.7	-	9.9	4.6	5.2	7.1	6.8	8.4	6.1
1981-1985	6.8	8.6	9.4	10.5	10.5	10.1	-	9.7	5.3	5.9	6.7	6.6	7.8	6.3
1986-1990	-	9.2	10.2	10.9	12.4	12.1	-	10.1	-	5.6	6.1	6.7	6.2	5.9
1991-1995	-	8.6	9.3	10.2	11.3	11.8	-	10.0	-	5.3	5.9	5.6	-	5.2
1996	-	9.4	9.4	10.8	12.5	12.9	-	10.3	-	-	-	-	-	-
1997	-	10.0	10.2	11.1	12.4	12.3	-	10.7	-	-	-	-	-	-
1998	-	7.1	7.5	7.9	10.8	11.7	-	8.5	-	-	-	-	-	-
1999	9.9	12.0	12.4	13.7	14.1	13.7	-	13.1	-	-	-	-	-	-
2000	-	8.7	9.6	11.7	12.6	14.1	-	10.4	-	-	-	-	-	-
2001	-	10.9	12.9	12.8	14.2	14.8	16.8	12.7	-	-	-	-	-	-
2002	-	11.4	12.9	12.7	14.7	15.1	14.9	12.6	-	-	-	-	-	-
2003	-	12.0	15.0	12.3	12.7	13.2	11.2	13.6	-	-	-	-	-	-
2004	-	13.4	11.8	12.0	14.9	13.8	12.9	12.4	-	-	-	-	-	-
2005	-	-	-	12.9	13.7	15.0	15.2	13.4	-	-	-	-	-	-
2006	-	-	-	15.1	14.4	16.8	18.0	15.3	-	-	-	-	-	-
2007	-	11.4	-	13.2	14.3	17.5	19.0	12.8	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE D-1. California monthly troll Chinook and coho average dressed weights (pounds) by area of landing. (Page 3 of 3)

Year	Apr.	May	June	July	Aug.	Sept.	Oct.	Season [a/]	May	June	July	Aug.	Sept.	Season
	CHINOOK								COHO					
Monterey														
1976-1980	8.5	9.3	7.9	11.3	13.0	10.1	-	10.1	4.6	4.8	5.9	7.1	6.5	5.3
1981-1985	7.3	8.6	9.6	10.4	11.1	10.2	-	9.3	5.4	5.2	6.5	7.6	8.3	6.1
1986-1990	-	10.3	11.3	12.2	12.3	11.7	-	11.1	-	5.6	6.0	6.5	6.4	5.9
1991-1995	-	9.4	10.9	11.3	11.7	11.1	-	10.6	-	4.8	5.6	5.5	-	5.0
1996	-	10.4	11.3	12.6	11.7	11.2	-	11.3	-	-	-	-	-	-
1997	10.6	10.6	10.5	11.9	-	10.0	-	10.9	-	-	-	-	-	-
1998	-	7.5	7.2	7.4	11.1	8.1	-	7.4	-	-	-	-	-	-
1999	11.5	13.6	13.3	15.7	12.6	11.0	-	13.6	-	-	-	-	-	-
2000	-	9.5	12.9	14.3	11.9	-	-	10.9	-	-	-	-	-	-
2001	-	11.5	11.9	12.6	11.0	14.7	-	11.6	-	-	-	-	-	-
2002	-	11.1	13.5	14.4	13.2	13.9	-	13.0	-	-	-	-	-	-
2003	-	13.0	14.4	14.0	14.7	13.8	-	13.8	-	-	-	-	-	-
2004	-	13.9	12.5	13.2	14.5	13.7	-	13.2	-	-	-	-	-	-
2005	-	10.9	13.1	14.1	16.5	13.1	-	12.1	-	-	-	-	-	-
2006	-	12.4	12.6	16.2	13.3	15.7	-	12.6	-	-	-	-	-	-
2007	-	14.1	13.2	13.6	14.1	17.6	-	14.0	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Statewide														
1976-1980	8.3	8.6	9.3	10.1	10.7	10.4	-	9.5	3.9	4.6	6.4	6.9	7.4	5.5
1981-1985	7.1	8.5	9.7	10.0	10.2	10.0	-	9.5	5.2	5.6	6.3	6.6	7.0	6.2
1986-1990	-	9.5	10.2	10.3	11.1	10.8	9.6	10.1	-	5.2	5.9	6.5	6.0	5.6
1991-1995	-	9.0	9.9	10.5	11.1	11.2	17.7	10.1	-	4.8	5.6	5.6	6.2	5.1
1996	-	10.2	10.2	11.8	11.7	11.9	-	10.8	-	-	-	-	-	-
1997	10.6	10.3	10.4	11.5	12.4	11.7	-	10.8	-	-	-	-	-	-
1998	-	7.4	7.3	7.9	10.8	11.3	-	8.1	-	-	-	-	-	-
1999	9.9	12.8	12.8	14.0	14.1	12.8	-	13.2	-	-	-	-	-	-
2000	-	9.2	11.1	12.4	12.5	12.7	-	10.7	-	-	-	-	-	-
2001	-	11.2	12.6	12.8	14.1	13.5	16.8	12.5	-	-	-	-	-	-
2002	-	11.3	13.1	12.8	13.9	13.8	13.0	12.8	-	-	-	-	-	-
2003	12.0	13.4	14.9	12.7	12.2	11.7	11.0	13.0 [a/]	-	-	-	-	-	-
2004	10.1	13.5	11.9	12.1	12.5	12.7	12.9	12.4 [a/]	-	-	-	-	-	-
2005	-	10.9	13.1	13.1	14.1	13.1	15.2	12.8	-	-	-	-	-	-
2006	-	12.4	12.6	15.1	14.4	16.4	18.0	15.0	-	-	-	-	-	-
2007	12.5	12.2	13.2	13.2	15.3	13.7	19.0	13.4	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-

a/ Total statewide and season averages includes minor landings in March and October from Oregon prior to 2005.

TABLE D-2. Oregon monthly troll Chinook and coho average dressed weights (pounds) by area of landing.

Year	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
						CHINOOK					
1971-1975	-	-	9.5	10.7	10.4	10.2	9.4	10.7	16.9	-	10.2
1976-1980	-	-	10.2	10.2	10.6	10.0	9.9	10.5	15.4	-	10.3
1981-1985	-	-	9.0	9.1	9.5	9.0	8.8	11.5	14.7	-	9.2
1986-1990	-	-	9.3	9.5	9.6	9.0	9.3	10.4	13.8	-	9.5
1991-1995	-	-	9.9	9.8	9.2	9.4	9.2	10.7	12.3	-	9.6
1996	-	-	9.8	11.3	12.3	11.2	10.5	10.2	11.1	-	10.9
1997	-	11.8	11.3	11.0	11.9	9.3	9.1	12.4	15.8	-	10.3
1998	-	11.1	10.8	11.5	12.7	10.8	10.0	14.4	15.6	-	11.2
1999	-	9.1	10.8	11.7	11.1	10.2	11.8	15.7	16.3	15.2	11.3
2000	-	13.0	12.9	12.9	11.9	10.9	9.3	10.0	14.2	13.4	10.9
2001	-	10.3	10.8	10.3	10.5	10.7	9.8	10.3	13.8	13.2	10.5
2002	12.3	9.9	10.2	10.5	11.2	10.9	11.4	11.1	15.1	14.1	10.9
2003	10.3	9.9	11.6	11.2	11.8	11.3	10.5	10.4	15.6	15.0	10.9
2004	9.4	10.1	10.9	11.5	11.5	11.4	9.8	12.2	14.4	12.6	10.9
2005	8.6	8.9	9.9	10.5	10.7	10.9	11.9	11.4	15.4	13.9	10.7
2006	-	-	12.2	13.6	15.5	15.3	13.8	16.0	15.8	13.7	13.9
2007	-	13.4	13.7	13.9	13.7	11.9	12.6	15.4	13.5	14.3	13.1
2008[a/]	-	-	10.4	10.4	12.1	11.4	14.3	19.9	15.3	-	11.1
						COHO					
1971-1975	-	-	-	5.1	6.1	7.0	7.0	7.9	-	-	6.2
1976-1980	-	-	-	4.4	5.5	6.1	5.9	6.3	-	-	5.5
1981-1985	-	-	-	-	4.8	5.3	3.6	-	-	-	5.0
1986-1990	-	-	-	4.8	4.8	5.1	5.4	7.2	-	-	4.9
1991-1995	-	-	-	4.2	4.0	4.8	5.4	-	-	-	4.7
1996	-	-	-	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	-	-	-
1998	-	-	-	-	-	-	-	-	-	-	-
1999	-	-	-	-	-	-	-	-	-	-	-
2000	-	-	-	-	-	5.9	6.6	-	-	-	5.9
2001	-	-	-	-	5.0	6.2	6.0	-	-	-	5.6
2002	-	-	-	-	-	7.0	-	-	-	-	7.0
2003	-	-	-	-	5.2	6.7	6.7	-	-	-	6.4
2004	-	-	-	-	5.6	6.8	7.9	-	-	-	7.5
2005	-	-	-	-	5.4	7.7	8.3	-	-	-	7.5
2006	-	-	-	-	7.2	9.1	9.5	-	-	-	9.2
2007	-	-	-	-	4.9	6.0	7.0	-	-	-	5.9
2008[a/]	-	-	-	-	5.2	8.7	8.9	-	-	-	8.5

a/ Preliminary.

TABLE D-3. Washington monthly troll Chinook and coho salmon average dressed weights (pounds).[a/]

Year	May		June		July		Aug.		Sept.		Oct.		Season	
	Treaty Indian	Non-Indian	Treaty Indian	Non-Indian	Treaty Indian	Non-Indian	Treaty Indian	Non-Indian	Treaty Indian	Non-Indian	Treaty Indian	Non-Indian	Treaty Indian[b/]	Non-Indian
							CHINOOK							
1980	10.9	12.0	12.6	-	12.5	13.2	14.2	13.5	10.9	13.1	6.7	-	7.3	13.0
1981-1985	7.3	9.7	8.8	-	9.6	12.3	9.3	12.2	7.7	12.7	5.1	-	6.4	10.6
1986-1990	8.1	9.5	8.1	11.1	9.6	12.1	9.1	12.1	6.8	12.2	5.2	12.6	6.7	10.4
1991-1995[c/]	7.1	10.7	7.8	10.8	8.7	12.1	8.3	11.2	6.6	11.2	6.4	8.3	6.9	10.2
1996[c/]	5.8	-	6.2	12.9	-	12.6	7.8	-	6.7	-	-	-	6.9	12.4
1997	7.3	10.4	6.7	10.9	-	-	8.4	-	9.3	-	-	-	7.4	10.6
1998	11.1	11.4	11.7	12.9	7.4	-	11.0	-	8.2	-	-	-	10.8	11.4
1999	7.1	11.0	8.8	11.1	-	11.9	7.7	11.0	5.6	-	0.0	-	8.1	11.2
2000	10.6	12.0	9.2	12.0	6.7	-	7.3	10.9	-	10.7	-	-	9.2	11.9
2001	7.4	10.3	9.5	11.7	12.1	12.6	9.7	10.9	8.7	10.1	-	-	9.5	11.4
2002	9.5	11.4	12.9	12.2	11.5	13.1	11.8	14.5	8.3	NA	-	-	11.3	12.6
2003	11.2	12.4	9.3	12.9	13.9	16.0	18.0	17.4	13.4	13.9	-	-	12.5	14.6
2004	10.2	11.6	12.1	14.4	13.7	16.2	13.0	16.5	17.3	16.8	5.0	-	11.8	14.2
2005	9.1	10.7	9.9	11.7	16.2	17.1	18.4	17.9	12.0	-	-	-	11.9	13.4
2006	8.5	11.9	9.8	12.3	13.3	15.6	10.4	15.4	7.2	14.4	-	-	10.2	13.2
2007	7.7	12.0	8.2	12.3	8.2	14.3	14.2	17.0	6.8	15.8	-	-	8.9	12.9
2008	7.8	11.1	7.7	11.3	8.5	12.5	7.5	12.3	7.1	11.2	-	-	7.5	11.6
							COHO							
1980	2.5	-	3.4	-	4.3	4.8	5.7	6.0	6.9	5.7	-	-	3.7	5.2
1981-1985	2.3	-	3.2	-	3.8	4.6	4.9	4.6	5.6	5.4	6.5	5.8	4.6	4.5
1986-1990	-	-	2.8	-	4.0	4.9	4.2	4.4	4.9	5.5	5.3	7.0	4.1	4.5
1991-1995	-	-	2.7	-	3.7	3.7	4.4	4.7	3.9	5.4	5.9	-	4.3	4.6
1996	-	-	-	-	-	3.8	3.5	4.0	5.3	-	-	-	5.0	4.0
1997	-	-	-	-	-	-	3.4	-	3.9	-	-	-	3.6	-
1998	-	-	-	-	-	-	5.0	-	5.8	-	-	-	5.4	-
1999	0.0	-	0.0	-	5.0	4.6	5.0	5.7	0.0	5.9	0.0	-	5.0	5.5
2000	-	-	4.0	-	-	-	5.0	5.8	-	6.7	-	-	5.0	5.9
2001	-	-	5.2	-	4.8	5.0	5.6	6.1	6.0	6.8	-	-	5.6	6.0
2002	12.0	-	5.0	-	5.4	10.0	6.6	5.9	5.4	-	-	-	5.8	6.0
2003	7.3	-	-	-	5.3	5.1	6.2	6.4	5.8	7.1	-	-	5.7	6.0
2004	5.0	-	5.0	-	5.5	5.9	6.0	6.7	7.9	7.3	7.4	-	6.2	6.8
2005	3.7	-	3.9	-	4.5	6.1	6.9	7.0	5.5	-	-	-	6.3	6.8
2006	5.5	-	4.3	-	5.6	5.9	6.4	7.1	6.3	10.1	-	-	6.1	7.7
2007	-	-	4.8	-	4.3	4.9	7.1	5.9	6.9	6.4	-	-	5.5	5.6
2008	-	-	3.4	-	6.5	6.2	7.3	8.6	9.3	9.7	-	-	8.6	8.4

a/ All values in this table are based on preliminary information available at the start of each year's review. Treaty Indian statistics include landings from Puget Sound.

b/ Season totals include additional winter treaty Indian troll.

c/ In 1994-1996 the non-Indian fishery for Chinook was closed north of Cape Falcon, however, Chinook were caught off Oregon and landed in Washington.

TABLE D-4. California troll combined Chinook and coho salmon landings in dressed weight, value of landings and number of registered vessels making commercial salmon landings.[a/]

Year	Dressed Pounds Landed (thousands)	Nominal Exvessel Value ($ thousands)	Vessels Landing Salmon	Vessels with Permits	Nominal Average Exvessel Value/Vessel (dollars)	Real Average Exvessel Value/Vessel (2008 dollars)
1960	6,221	3,339	1,365	-	2,446	14,238
1961	8,638	4,698	1,615	-	2,909	16,744
1962	6,673	4,023	1,563	-	2,574	14,615
1963	7,849	3,959	1,611	-	2,457	13,807
1964	9,481	5,013	1,774	-	2,826	15,638
1965	9,674	4,989	2,001	-	2,493	13,550
1966	9,447	4,845	1,929	-	2,512	13,273
1967	7,402	3,945	2,137	-	1,846	9,463
1968	6,952	4,014	2,249	-	1,785	8,774
1969	6,151	3,843	2,125	-	1,808	8,470
1970	6,629	5,101	2,065	-	2,470	10,988
1971	8,117	4,757	2,221	-	2,142	9,073
1972	6,423	4,830	2,392	-	2,019	8,198
1973	9,669	8,991	2,848	-	3,157	12,140
1974	8,749	8,013	3,185	-	2,516	8,873
1975	6,925	6,972	3,150	-	2,213	7,133
1976	7,788	10,707	3,526	-	3,037	9,252
1977	5,920	12,074	3,797	-	3,180	9,109
1978	6,788	11,001	4,919	-	2,236	5,986
1979	8,746	19,659	4,593	-	4,280	10,580
1980	6,017	13,149	4,738	-	2,775	6,289
1981	6,012	14,322	4,102	-	3,491	7,233
1982	8,000	19,489	4,013	5,964	4,856	9,482
1983	2,411	4,608	3,223	4,617	1,430	2,685
1984	2,970	7,562	2,569	4,180	2,944	5,329
1985	4,600	11,515	2,308	3,869	4,989	8,765
1986	7,598	15,112	2,582	3,753	5,853	10,061
1987	9,293	25,623	2,442	3,533	10,493	17,556
1988	14,750	41,927	2,571	3,493	16,308	26,386
1989	5,720	13,485	2,534	3,464	5,322	8,297
1990	4,436	12,056	2,115	3,372	5,700	8,557
1991	3,697	9,047	1,769	3,242	5,114	7,417
1992	1,643	4,505	1,085	2,974	4,152	5,887
1993	2,537	5,707	1,240	2,741	4,602	6,378
1994	3,103	6,437	1,024	2,470	6,286	8,530
1995	6,633	11,693	1,104	2,344	10,591	14,083
1996	4,113	5,984	985	2,221	6,075	7,928
1997	5,248	7,288	835	2,076	8,728	11,203
1998	1,847	3,060	670	1,899	4,567	5,798
1999	3,846	7,429	666	1,800	11,155	13,959
2000	5,131	10,304	759	1,704	13,576	16,627
2001	2,409	4,773	689	1,650	6,927	8,285
2002	5,008	7,776	708	1,586	10,982	12,910
2003	6,392	12,181	584	1,521	20,858	24,008
2004	6,230	17,895	741	1,511	24,150	27,020
2005	4,347	12,913	680	1,477	18,990	20,582
2006	1,043	5,350	477	1,408	11,216	11,784
2007	1,525	7,902	601	1,390	13,149	13,815
2008	-	-	-	1,303	-	-

a/ Derived from vessel registrations and fish landing tickets.

b/ Preliminary.

TABLE D-5. Oregon troll combined Chinook and coho salmon landings in dressed weight, value of landings and number of registered vessels making commercial salmon landings.[a/]

Year	Dressed Pounds Landed (thousands)	Nominal Exvessel Value ($ thousands)	Vessels Landing Salmon	Vessels with Permits	Nominal Average Exvessel Value/Vessel (dollars)	Real Average Exvessel Value/Vessel (2008 dollars)
1974	-	7,937	2,253	-	3,523	12,425
1975	-	5,808	2,304	-	2,521	8,124
1976	10,983	14,681	2,770	-	5,300	16,148
1977	6,209	11,202	3,108	-	3,604	10,325
1978	4,673	7,340	3,158	-	2,324	6,221
1979	7,166	16,989	3,114	-	5,456	13,485
1980[b/]	4,362	8,185	3,875	4,314	2,112	4,787
1981	4,897	9,573	3,615	3,926	2,648	5,486
1982	5,060	9,895	3,269	3,646	3,027	5,910
1983	1,753	2,296	2,951	3,439	778	1,461
1984[c/]	621	1,611	771	3,203	2,090	3,784
1985[d/]	2,514	5,774	2,050	2,993	2,817	4,948
1986	5,275	7,954	2,288	2,739	3,476	5,976
1987	7,098	16,763	2,111	2,626	7,941	13,287
1988	7,723	21,536	2,061	2,597	10,449	16,907
1989	5,528	10,025	1,937	2,569	5,176	8,069
1990	2,815	6,641	1,557	2,528	4,265	6,402
1991[e/]	2,106	3,120	1,217	2,044	2,564	3,718
1992	1,220	2,712	649	2,111	4,179	5,924
1993	769	1,671	612	1,814	2,730	3,784
1994	287	690	371	1,569	1,860	2,524
1995	1,941	3,294	476	1,465	6,920	9,202
1996	1,926	3,007	455	1,377	6,609	8,624
1997	1,542	2,469	433	1,295	5,702	7,319
1998	1,398	2,297	373	1,201	6,159	7,819
1999	722	1,401	328	1,111	4,271	5,345
2000	1,552	3,063	399	1,062	7,677	9,402
2001[f/]	2,949	4,721	449	1,175	10,515	12,576
2002[f/]	3,498	5,391	468	1,175	11,519	13,541
2003[f/]	3,681	7,222	494	1,178	14,620	16,828
2004[f/]	2,920	9,919	595	1,181	16,670	18,652
2005[f/]	2,691	8,503	565	1,168	15,050	16,311
2006[f/]	499	2,701	357	1,127	7,565	7,948
2007	565	2,822	436	1,009	6,473	6,617
2008	68	489	138	1,092	3,543	3,543

a/ Derived from vessel registrations and fish landing tickets.

b/ In 1980, the establishment of a restricted vessel permit system drew a number of historically active vessels back into the fishery.

c/ In 1984, vessels were not required to land at least one salmon to be eligible for a permit in 1985. The Oregon Fish and Wildlife Commission waived this requirement because of the elimination of the coho fishery south of Cape Falcon.

d/ In 1985, vessels traditionally landing salmon south of Cape Blanco and north of Cape Falcon were not required to land at least one salmon to be eligible for a permit in 1986. The Oregon Fish and Wildlife Commission waived this requirement because of the complete closure of the coho season south of Cape Blanco and a limited one-day coho season between the Columbia River and Falcon.

e/ During the 1991 session of the Oregon Legislature, legislation passed waiving the requirement that troll permit holders must buy a 1991 permit to be able to renew for 1992. This was a one-time exemption for 1991 only.

f/ Permits were reissued in a lottery, because the total number of permits had fallen below 1,200.

TABLE D-6. Washington non-Indian troll combined Chinook and coho salmon landings in dressed weight, value of landings and number of registered vessels making commercial salmon landings.[a/]

Year	Dressed Pounds Landed (thousands)	Nominal Exvessel Value ($ thousands)	Vessels Landing Salmon	Vessels with Permits	Nominal Average Exvessel Value/Vessel (dollars)	Real Average Exvessel Value/Vessel (2008 dollars)
1978	4,746	10,025	3,041	3,291	3,297	8,824
1979	5,262	15,091	2,778	3,068	5,432	13,428
1980	3,398	7,114	2,626	2,797	2,709	6,139
1981	2,678	5,921	2,439	2,603	2,428	5,029
1982	2,671	6,730	2,253	2,512	2,987	5,832
1983	653	1,465	2,045	2,328	716	1,346
1984[b/]	197	410	381	2,071	1,076	1,948
1985[c/]	964	1,601	1,259	1,650	1,272	2,234
1986	659	1,175	1,252	1,531	938	1,613
1987	758	1,960	883	1,401	2,219	3,713
1988	798	2,337	650	1,337	3,595	5,817
1989	696	1,230	883	1,306	1,393	2,172
1990	850	1,648	897	1,170	1,837	2,758
1991	612	1,126	811	1,013	1,388	2,014
1992	583	1,299	604	806	2,151	3,049
1993	398	795	474	668	1,677	2,324
1994[d/f/]	7	e/	1	7	e/	e/
1995[g/]	126	117	96	435	1,214	1,614
1996	86	83	90	333	925	1,208
1997[h/]	80	125	51	324	2,451	3,146
1998[i/]	82	123	23	299	5,345	6,785
1999	219	396	57	214	6,947	8,694
2000[j/]	162	258	49	179	5,274	6,459
2001	290	383	57	169	6,718	8,034
2002	679	758	75	165	10,102	11,875
2003	875	991	82	163	12,087	13,912
2004	594	1,185	86	160	13,779	15,416
2005	481	1,290	91	157	14,170	15,358
2006	231	1,045	84	158	12,440	13,071
2007	217	953	79	157	12,062	12,330
2008	114	709	86	157	8,244	8,244

a/ Derived from vessel registrations and fish landing tickets. All values in this table are based on preliminary information available at the start of each year's salmon review.

b/ 312 licenses and delivery permits purchased by buyback program.

c/ 118 licenses and delivery permits purchased by buyback program.

d/ The season was closed north of Cape Falcon, but Chinook were caught off Oregon and landed in Puget Sound.

e/ Value information is not provided in order to preserve confidentiality.

f/ Vessels were not required to purchase a permit in 1994 to maintain their eligibility for a permit in 1995.

g/ 190 licenses and delivery permits purchased by buyback program.

h/ 72 licenses and delivery permits purchased by buyback program at the end of 1996 and early 1997.

i/ 100 licenses and delivery permits purchased by buyback program at the end of 1997 and early 1998.

j/ 41 licenses purchased by buyback program at the end of 2000.

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.[a/] (Page 1 of 4)

	Vessels			Catch[c/]		
Year	Length Category (feet)	Number[b/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
2008	<20	-	-	-	-	-
	21-25	-	-	-	-	-
	26-30	-	-	-	-	-
	31-35	-	-	-	-	-
	36-40	-	-	-	-	-
	41-45	-	-	-	-	-
	46-50	-	-	-	-	-
	51-55	-	-	-	-	-
	>56	-	-	-	-	-
	TOTAL	-		-	-	
2007	<20	20	3%	275	5,506	0%
	21-25	95	16%	718	68,173	4%
	26-30	87	14%	1,417	123,280	8%
	31-35	119	20%	2,622	312,075	20%
	36-40	124	21%	3,312	410,698	27%
	41-45	79	13%	4,273	337,558	22%
	46-50	55	9%	3,633	199,821	13%
	51-55	12	2%	3,676	44,108	3%
	>56	10	2%	2,403	24,026	2%
	TOTAL	601		2,538	1,525,245	
2006	<20	19	4%	338	6,427	1%
	21-25	85	18%	944	80,260	8%
	26-30	80	17%	1,441	115,300	11%
	31-35	105	22%	2,288	240,201	23%
	36-40	88	18%	3,027	266,387	26%
	41-45	59	12%	3,723	219,638	21%
	46-50	30	6%	2,851	85,517	8%
	51-55	7	1%	3,356	23,492	2%
	>56	4	1%	1,533	6,131	1%
	TOTAL	477		2,187	1,043,353	
2005	<20	34	5%	840	28,546	1%
	21-25	107	16%	2,249	240,668	6%
	26-30	107	16%	3,325	355,799	8%
	31-35	132	19%	6,127	808,775	19%
	36-40	130	19%	7,754	1,008,071	23%
	41-45	84	12%	10,779	905,449	21%
	46-50	62	9%	11,429	708,576	16%
	51-55	13	2%	15,821	205,679	5%
	>56	11	2%	7,802	85,827	2%
	TOTAL	680		6,393	4,347,390	
2004	<20	39	5%	1,121	43,706	1%
	21-25	118	16%	2,203	259,933	4%
	26-30	112	15%	3,288	368,224	6%
	31-35	144	19%	7,202	1,037,078	17%
	36-40	141	19%	9,880	1,393,035	22%
	41-45	84	11%	16,223	1,362,724	22%
	46-50	66	9%	17,814	1,175,700	19%
	51-55	18	2%	21,405	385,281	6%
	>56	19	3%	10,764	204,515	3%
	TOTAL	741		8,408	6,230,196	

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.[a/] (Page 2 of 4)

	Vessels			Catch[c/]		
Year	Length Category (feet)	Number[b/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
2003	<20	22	4%	1,966	43,251	1%
	21-25	104	18%	2,665	277,192	4%
	26-30	94	16%	4,208	395,574	6%
	31-35	111	19%	8,288	919,974	14%
	36-40	113	19%	14,938	1,687,971	26%
	41-45	68	12%	20,592	1,400,250	22%
	46-50	48	8%	24,450	1,173,576	18%
	51-55	12	2%	24,685	296,220	5%
	>56	12	2%	16,468	197,613	3%
	TOTAL	584		10,945	6,391,621	
2002	<20	34	5%	1,314	44,687	1%
	21-25	123	17%	2,211	271,972	5%
	26-30	111	16%	3,137	348,249	7%
	31-35	122	17%	5,760	702,716	14%
	36-40	147	21%	9,090	1,336,204	27%
	41-45	79	11%	13,411	1,059,442	21%
	46-50	64	9%	11,734	750,989	15%
	51-55	15	2%	19,988	299,817	6%
	>56	13	2%	14,880	193,446	4%
	TOTAL	708		7,073	5,007,522	
2001	<20	26	4%	559	14,529	1%
	21-25	117	17%	1,117	130,707	5%
	26-30	105	15%	2,212	232,279	10%
	31-35	124	18%	3,308	410,150	17%
	36-40	145	21%	4,627	670,878	28%
	41-45	76	11%	6,087	462,586	19%
	46-50	64	9%	5,245	335,652	14%
	51-55	18	3%	5,324	95,824	4%
	>56	14	2%	4,000	56,006	2%
	TOTAL	689		3,496	2,408,611	
2000	<20	41	5%	1,348	55,282	1%
	21-25	139	18%	2,502	347,743	7%
	26-30	116	15%	3,850	446,629	9%
	31-35	130	17%	6,389	830,573	16%
	36-40	165	22%	8,183	1,350,228	26%
	41-45	73	10%	11,447	835,622	16%
	46-50	66	9%	12,811	845,530	16%
	51-55	17	2%	17,942	305,017	6%
	>56	12	2%	9,512	114,139	2%
	TOTAL	759		6,760	5,130,763	
1999	<20	41	6%	891	36,524	1%
	21-25	125	19%	2,259	282,366	7%
	26-30	88	13%	3,712	326,697	8%
	31-35	131	20%	5,196	680,635	18%
	36-40	139	21%	7,867	1,093,568	28%
	41-45	65	10%	10,422	677,411	18%
	46-50	55	8%	10,202	561,119	15%
	51-55	15	2%	9,101	136,509	4%
	>56	7	1%	7,275	50,928	1%
	TOTAL	666		5,774	3,845,757	

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.[a/] (Page 3 of 4)

	Vessels			Catch[c/]		
Year	Length Category (feet)	Number[b/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
1998	<20	45	7%	934	42,044	2%
	21-25	154	23%	1,406	216,593	12%
	26-30	101	15%	2,277	229,951	12%
	31-35	119	18%	2,604	309,870	17%
	36-40	129	19%	4,040	521,184	28%
	41-45	64	10%	4,514	288,916	16%
	46-50	40	6%	4,764	190,579	10%
	51-55	11	2%	3,256	35,821	2%
	>56	6	1%	2,018	12,105	1%
	TOTAL	669		2,761	1,847,063	
1997	<20	54	6%	1,482	80,022	2%
	21-25	197	24%	2,791	549,756	10%
	26-30	126	15%	4,462	562,213	11%
	31-35	144	17%	6,358	915,510	17%
	36-40	157	19%	8,500	1,334,555	25%
	41-45	78	9%	11,281	879,913	17%
	46-50	54	6%	13,156	710,418	14%
	51-55	13	2%	11,806	153,476	3%
	>56	12	1%	5,161	61,929	1%
	TOTAL	835		6,285	5,247,792	
1996	<20	66	7%	1,500	99,021	2%
	21-25	221	22%	1,793	396,205	10%
	26-30	163	17%	2,648	431,620	10%
	31-35	161	16%	4,315	694,793	17%
	36-40	176	18%	5,945	1,046,274	25%
	41-45	97	10%	7,311	709,120	17%
	46-50	73	7%	7,984	582,826	14%
	51-55	14	1%	7,751	108,511	3%
	>56	14	1%	3,217	45,032	1%
	TOTAL	985		4,176	4,113,402	
1995	<20	88	7%	1,478	130,074	2%
	21-25	295	25%	2,905	856,987	13%
	26-30	188	16%	4,542	853,887	13%
	31-35	176	15%	6,636	1,167,899	18%
	36-40	210	18%	8,147	1,710,765	26%
	41-45	105	9%	8,748	918,546	14%
	46-50	82	7%	8,480	695,374	10%
	51-55	21	2%	10,708	224,861	3%
	>56	14	1%	5,362	75,068	1%
	TOTAL	1,179		5,626	6,633,461	
1994	<20	78	8%	584	45,530	1%
	21-25	254	25%	1,425	362,007	12%
	26-30	170	17%	2,085	354,515	11%
	31-35	151	15%	3,340	504,287	16%
	36-40	188	18%	4,719	887,232	29%
	41-45	94	9%	5,878	552,514	18%
	46-50	69	7%	4,001	276,100	9%
	51-55	13	1%	8,541	111,033	4%
	>56	7	1%	1,412	9,887	0%
	TOTAL	1,024		3,030	3,103,105	

TABLE D-7. California salmon troll boat-size catch statistics in pounds of dressed salmon.[a/] (Page 4 of 4)

	Vessels			Catch[c/]		
Year	Length Category (feet)	Number[b/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
1993	<20	101	8%	447	45,103	2%
	21-25	321	26%	1,028	330,110	13%
	26-30	218	18%	1,538	335,333	13%
	31-35	167	13%	2,467	411,989	16%
	36-40	216	17%	3,103	670,209	26%
	41-45	103	8%	3,859	397,525	16%
	46-50	78	6%	3,050	237,930	9%
	51-55	22	2%	4,205	92,500	4%
	>56	14	1%	1,156	16,185	1%
	TOTAL	1,240		2,046	2,536,884	
1992	<20	98	9%	347	33,962	2%
	21-25	279	26%	838	233,894	14%
	26-30	190	18%	1,178	223,847	14%
	31-35	158	15%	1,535	242,532	15%
	36-40	180	17%	2,579	464,288	28%
	41-45	87	8%	2,842	247,249	15%
	46-50	64	6%	1,720	110,058	7%
	51-55	19	2%	3,719	70,668	4%
	>56	10	1%	1,691	16,906	1%
	TOTAL	1,085		1,515	1,643,404	
1991	<20	196	11%	540	105,895	3%
	21-25	427	24%	944	403,026	11%
	26-30	300	17%	1,489	446,841	12%
	31-35	219	12%	2,284	500,112	14%
	36-40	309	17%	3,194	987,011	27%
	41-45	148	8%	4,315	638,649	17%
	46-50	118	7%	3,814	450,025	12%
	51-55	27	2%	4,852	130,991	4%
	56-60	13	1%	1,514	19,681	1%
	>60	9	1%	1,594	14,349	0%
	Unknown	3	0%	226	677	0%
	TOTAL	1,769		2,090	3,697,257	

a/ Derived from vessel registrations and fish landing tickets.

b/ Number of boats includes only those recording pounds greater than 0.

c/ Excludes pink salmon landings.

d/ Preliminary.

TABLE D-8. Oregon salmon troll boat-size catch statistics in pounds of dressed salmon. (Page 1 of 3)

	Vessels			Catch		
Year	Length Category (feet)	Number[a/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
2008[b/]	<20	3	2%	87	260	0%
	20-29	47	34%	250	11,738	17%
	30-39	43	31%	509	21,882	32%
	40-49	38	28%	828	31,473	46%
	>50	7	5%	500	3,498	5%
	TOTAL	138		499	68,851	
2007	<20	3	1%	246	739	0%
	20-29	90	21%	851	76,558	14%
	30-39	153	35%	1,426	218,197	39%
	40-49	146	33%	1,562	227,980	40%
	>50	44	10%	942	41,429	7%
	TOTAL	436		1,296	564,903	
2006	<20	3	1%	1,094	3,281	1%
	20-29	78	22%	662	51,607	10%
	30-39	124	35%	1,484	184,030	37%
	40-49	127	36%	1,672	212,290	43%
	>50	25	7%	1,898	47,462	10%
	TOTAL	357		1,397	498,670	
2005	<20	7	1%	335	2,343	0%
	20-29	122	22%	1,716	209,336	8%
	30-39	186	33%	4,878	907,312	34%
	40-49	188	33%	6,436	1,209,982	45%
	>50	62	11%	5,840	362,051	13%
	TOTAL	565		4,763	2,691,024	
2004	<20	4	1%	721	2,883	0%
	20-29	120	20%	2,266	271,944	9%
	30-39	205	34%	5,149	1,055,574	36%
	40-49	199	33%	6,360	1,265,683	44%
	>50	67	11%	4,668	312,752	11%
	TOTAL	595		4,889	2,908,836	
2003	<20	4	1%	957	3,829	0%
	20-29	120	24%	2,425	291,051	8%
	30-39	167	34%	7,702	1,286,218	35%
	40-49	152	31%	10,170	1,545,898	42%
	>50	48	10%	11,220	538,580	15%
	TOTAL	491		7,466	3,665,576	
2002	<20	3	1%	1,760	5,281	0%
	20-29	103	22%	3,488	359,299	10%
	30-39	179	38%	7,931	1,419,713	41%
	40-49	140	30%	10,092	1,412,864	40%
	>50	42	9%	7,173	301,280	9%
	TOTAL	467		7,491	3,498,437	

TABLE D-8. Oregon salmon troll boat-size catch statistics in pounds of dressed salmon. (Page 2 of 3)

	Vessels			Catch		
Year	Length Category (feet)	Number[a/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
2001	<20	6	1%	1,271	7,626	0%
	20-29	102	23%	2,768	282,386	10%
	30-39	170	38%	6,894	1,172,058	40%
	40-49	141	31%	9,175	1,293,723	44%
	>50	30	7%	6,488	194,652	7%
	TOTAL	449		6,571	2,950,445	
2000	<20	3	1%	2,056	6,169	0%
	20-29	100	25%	1,933	193,346	12%
	30-39	157	39%	4,726	741,968	48%
	40-49	111	28%	4,594	509,986	33%
	>50	28	7%	3,606	100,965	7%
	TOTAL	399		3,891	1,552,434	
1999	<20	6	2%	1,131	6,783	1%
	20-29	68	21%	1,205	81,964	11%
	30-39	140	43%	2,517	352,355	49%
	40-49	93	28%	2,499	232,418	32%
	>50	21	6%	2,298	48,263	7%
	TOTAL	328		2,201	721,783	
1998	<20	5	1%	1,536	7,679	1%
	20-29	65	17%	1,036	67,332	5%
	30-39	163	44%	3,673	598,702	43%
	40-49	110	29%	5,395	593,433	42%
	>50	30	8%	4,351	130,537	9%
	TOTAL	373		3,747	1,397,683	
1997	<20	5	1%	1,149	5,743	0%
	20-29	98	23%	838	82,089	5%
	30-39	185	43%	3,976	735,478	48%
	40-49	114	26%	5,401	615,756	40%
	>50	31	7%	3,322	102,982	7%
	TOTAL	433		3,561	1,542,048	
1996	<20	6	1%	2,088	12,530	1%
	20-29	117	26%	1,009	118,069	6%
	30-39	186	41%	5,010	931,895	48%
	40-49	115	25%	6,466	743,584	39%
	>50	32	7%	3,720	119,048	6%
	TOTAL	456		4,222	1,925,126	
1995	<20	8	2%	1,561	12,486	1%
	20-29	142	30%	1,190	168,999	9%
	30-39	185	39%	4,571	845,647	44%
	40-49	111	23%	6,884	764,118	39%
	>50	30	6%	4,995	149,846	8%
	TOTAL	476		4,078	1,941,096	

TABLE D-8. Oregon salmon troll boat-size catch statistics in pounds of dressed salmon. (Page 3 of 3)

	Vessels			Catch		
Year	Length Category (feet)	Number[a/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
1994	<20	7	2%	968	6,776	2%
	20-29	114	31%	435	49,573	17%
	30-39	153	41%	825	126,188	44%
	40-49	85	23%	1,080	91,834	32%
	>50	12	3%	1,032	12,382	4%
	TOTAL	371		773	286,753	
1993	<20	10	2%	662	6,619	1%
	20-29	206	34%	558	115,029	15%
	30-39	236	39%	1,549	365,597	47%
	40-49	128	21%	1,888	241,663	31%
	>50	32	5%	1,282	41,029	5%
	TOTAL	612		1,258	769,937	
1992	<20	7	1%	706	4,945	0%
	20-29	242	37%	849	205,466	17%
	30-39	245	38%	2,384	584,162	48%
	40-49	134	21%	2,911	390,040	32%
	>50	21	3%	1,630	34,231	3%
	TOTAL	649		1,878	1,218,844	
1991	<20	22	2%	621	13,672	1%
	20-29	568	47%	1,266	719,071	34%
	30-39	365	30%	2,138	780,386	37%
	40-49	209	17%	2,468	515,790	24%
	>50	53	4%	1,590	84,279	4%
	TOTAL	1,217		1,736	2,113,198	

a/ Number of boats includes only those with at least one landing containing troll caught salmon.

b/ Preliminary.

TABLE D-9. Washington non-Indian salmon troll boat-size catch statistics in pounds of dressed salmon.[a/b/] (Page 1 of 3)

	Vessels			Catch		
Year	Length Category (feet)	Number[c/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
2008	<25	4	5%	1,341	5,364	5%
	25-36	27	31%	1,486	42,835	37%
	>36	55	64%	1,203	66,167	58%
	Unknown	0	-	-	-	-
	TOTAL	86		4,030	114,366	
2007	<25	3	4%	3,180	9,539	4%
	25-36	25	32%	2,610	65,240	30%
	>36	51	65%	2,807	143,155	66%
	Unknown	0	-	-	-	-
	TOTAL	79		8,596	217,934	
2006	<25	3	4%	2,398	7,194	3%
	25-36	24	29%	1,983	47,593	21%
	>36	56	67%	3,073	172,069	74%
	Unknown	1	1%	4,804	4,804	2%
	TOTAL	84		12,258	231,660	
2005	<25	6	7%	4,309	25,854	5%
	25-36	24	26%	4,801	115,228	24%
	>36	60	66%	5,540	332,400	69%
	Unknown	1	1%	7,088	7,088	1%
	TOTAL	91		21,738	480,570	
2004	<25	8	9%	4,463	35,700	6%
	25-36	20	23%	5,797	115,933	20%
	>36	56	65%	7,749	433,952	73%
	Unknown	2	2%	4,464	8,927	2%
	TOTAL	86		6,913	594,512	
2003	<25	10	12%	6,141	61,407	7%
	25-36	19	23%	7,433	141,235	16%
	>36	53	65%	12,715	673,876	77%
	Unknown	0	-	-	-	-
	TOTAL	82		10,689	876,518	
2002	<25	7	9%	7,326	51,283	8%
	25-36	17	23%	6,275	106,668	16%
	>36	50	67%	9,931	496,565	73%
	Unknown	1	1%	25,133	25,133	4%
	TOTAL	75		9,062	679,649	
2001	<25	3	5%	4,534	13,603	5%
	25-36	15	26%	3,960	59,403	20%
	>36	39	68%	5,576	217,467	75%
	Unknown	0	-	-	-	-
	TOTAL	57		5,096	290,473	

TABLE D-9. Washington non-Indian salmon troll boat-size catch statistics in pounds of dressed salmon.[a/b/] (Page 2 of 3)

	Vessels			Catch		
Year	Length Category (feet)	Number[c/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
2000	<25	3	6%	873	2,620	2%
	25-36	13	27%	3,401	44,218	27%
	>36	29	59%	3,627	105,171	65%
	Unknown	4	8%	2,573	10,291	6%
	TOTAL	49		3,312	162,300	
1999	<25	5	9%	2,511	12,557	6%
	25-36	14	25%	3,731	52,237	24%
	>36	35	61%	4,333	151,638	69%
	Unknown	3	5%	1,220	3,661	2%
	TOTAL	57		3,861	220,093	
1998	<25	3	13%	545	1,634	2%
	25-36	6	26%	2,842	17,050	21%
	>36	13	57%	4,799	62,385	76%
	Unknown	1	4%	522	522	1%
	TOTAL	23		3,547	81,591	
1997	<25	7	14%	322	2,253	3%
	25-36	16	31%	1,468	23,491	29%
	>36	26	51%	2,096	54,500	67%
	Unknown	2	4%	352	703	1%
	TOTAL	51		1,587	80,947	
1996	<25	39	43%	709	27,664	31%
	25-36	24	27%	868	20,826	23%
	>36	20	22%	1,372	27,440	31%
	Unknown	7	8%	1,861	13,029	15%
	TOTAL	90		988	88,959	
1995	<25	45	47%	1,864	83,901	36%
	25-36	30	31%	2,936	88,083	38%
	>36	17	18%	2,950	50,144	22%
	Unknown	4	4%	2,351	9,403	4%
	TOTAL	96		2,412	231,531	
1994[d/]	<25	0	-	-	-	-
	25-36	0	-	-	-	-
	>36	1	100%	7,263	7,263	100%
	Unknown	0	-	-	-	-
	TOTAL	1		7,263	7,263	
1993	<25	174	37%	235	40,879	10%
	25-36	134	28%	627	84,005	20%
	>36	145	31%	1,832	265,684	65%
	Unknown	21	4%	924	19,406	5%
	TOTAL	474		865	409,974	

TABLE D-9. Washington non-Indian salmon troll boat-size catch statistics in pounds of dressed salmon.[a/b/] (Page 3 of 3)

	Vessels			Catch		
Year	Length Category (feet)	Number[c/]	Percent of Total	Average Per Boat (pounds)	Total (pounds)	Percent of Total
1992	<25	241	40%	276	66,617	11%
	25-36	167	28%	727	121,416	21%
	>36	170	28%	2,175	369,833	63%
	Unknown	26	4%	956	24,848	4%
	TOTAL	604		965	582,714	
1991	<25	292	36%	426	124,397	16%
	25-36	204	25%	729	148,643	19%
	>36	212	26%	1,859	394,075	51%
	Unknown	103	13%	1,006	103,637	13%
	TOTAL	811		950	770,752	

a/ All values in this table are based on preliminary information available at the start of each year's review.

b/ Excludes pink salmon landings.

c/ Number of boats includes only those recording pounds greater than 0.

d/ The fishery was closed north of Cape Falcon, however, Chinook were caught off Oregon and landed in Puget Sound.

TABLE D-10. Preliminary California salmon landings (in pounds of dressed salmon) and exvessel values by vessel size categories and port from Crescent City to Morro Bay South, 2008.

Port	Length Category (feet)	Number of Deliveries	Total Dressed Pounds Landed	Total Exvessel Value (dollars)	Percent Exvessel Value Landed in Port
Crescent City	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
Eureka[a/]	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
Shelter Cove	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
Fort Bragg[b/]	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
Bodega Bay	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
San Francisco	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
Half Moon Bay	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
Santa Cruz	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
Moss Landing	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
Monterey	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	
Morro Bay south	<26	-	-	-	-
	26-36	-	-	-	-
	>36	-	-	-	-
	TOTAL	-	-	-	

a/ Eureka includes minor landings made in Trinidad port area.
b/ Fort Bragg includes minor landings made in Mendocino port area.

TABLE D-11. Preliminary 2008 Washington non-Indian troll salmon landings (in pounds of dressed salmon) and exvessel value by vessel size category and port area.[a/b/])

Port Area	Length Category (feet)	Number of Boats	Number of Boat Days Fished	Total Dressed Pounds Landed	Total Exvessel Value (dollars)	Percent Exvessel Value Landed in Port
Neah Bay	<25	0	-	-	-	-
and	25-36	5	57	4,219	19,139	18%
Puget Sound	>36	15	208	17,813	85,652	82%
	Unknown	0	-	-	-	-
	TOTAL	20	265	22,032	104,791	
La Push	<25	2	c/	c/	c/	c/
	25-36	9	151	13,588	96,264	67%
	>36	8	65	6,720	47,574	33%
	Unknown	0	-	-	-	-
	TOTAL	19	216	20,308	143,838	
Westport	<25	3	33	3,880	20,094	6%
	25-36	16	252	22,460	127,196	37%
	>36	39	301	30,669	197,485	57%
	Unknown	0	-	-	-	-
	TOTAL	58	586	57,009	344,775	
Ilwaco	<25	0	-	-	-	-
	25-36	5	38	4,052	29,587	28%
	>36	13	88	9,626	77,342	72%
	Unknown	0	-	-	-	-
	TOTAL	18	126	13,678	106,929	
Puget Sound[d/]	<25	0	-	-	-	-
	25-36	0	-	-	-	-
	>36	4	30	1,339	7,439	100%
	Unknown	0	-	-	-	-
	TOTAL	4	30	1,339	7,439	

a/ Preliminary.

b/ Total pounds and exvessel values reported in this table are less than are reported in other tables of the Review. The differences are 1 percent or less and likely related to vessel information missing for certain landings.

c/ Fewer than 3 vessels. Values combined with next category below to preserve confidentiality.

d/ Landed on the coast and transported to Puget Sound for processing.

TABLE D-12. California number of vessels landing 50 percent and 90 percent of total pounds of salmon troll catch by year.

		50 Percent of Pounds Landed		90 Percent of Pounds Landed	
Year	Total Vessels	Number of Vessels	Percent of Fleet	Number of Vessels	Percent of Fleet
1978	4,919	542	11.0%	2,024	41.1%
1979	4,594	373	8.1%	1,641	35.7%
1980	4,738	431	9.1%	1,733	36.6%
1981	4,102	395	9.6%	1,599	39.0%
1982	4,013	438	10.9%	1,602	39.9%
1983	3,223	353	11.0%	1,268	39.3%
1984	2,569	213	8.3%	918	35.7%
1985	2,308	241	10.4%	898	38.9%
1986	2,582	302	11.7%	1,151	44.6%
1987	2,442	320	13.1%	1,080	44.2%
1988	2,571	409	15.9%	1,285	50.0%
1989	2,534	363	14.3%	1,244	49.1%
1990	2,115	295	13.9%	976	46.1%
1991	1,769	224	12.7%	791	44.7%
1992	1,085	131	12.1%	485	44.7%
1993	1,240	163	13.1%	554	44.7%
1994	1,024	141	13.8%	459	44.8%
1995	1,179	190	16.1%	581	49.3%
1996	985	128	13.0%	434	44.1%
1997	835	117	14.0%	377	45.1%
1998	670	90	13.4%	325	48.5%
1999	666	103	15.5%	316	47.4%
2000	759	117	15.4%	370	48.7%
2001	689	90	13.1%	328	47.6%
2002	708	89	12.6%	315	44.5%
2003	584	74	12.7%	237	40.6%
2004	741	108	14.6%	344	46.4%
2005	680	111	16.3%	341	50.1%
2006	477	80	16.8%	236	49.5%
2007	601	95	15.8%	293	48.8%
2008	-	-	-	-	-

TABLE D-13. Oregon number of vessels landing 50 percent and 90 percent of total pounds of salmon troll catch by year.[a/]

		50% of Pounds Landed		90% of Pounds Landed	
Year	Total Vessels	Number of Vessels	Percent of Fleet	Number of Vessels	Percent of Fleet
1974	1,914	326	17.0%	1,032	53.9%
1975	1,979	329	16.6%	1,054	53.3%
1976	2,770	453	16.4%	1,460	52.7%
1977	3,108	473	15.2%	1,597	51.4%
1978	3,157	446	14.1%	1,576	49.9%
1979	3,114	423	13.6%	1,449	46.5%
1980	3,875	372	9.6%	1,375	35.5%
1981	3,615	420	11.6%	1,391	38.5%
1982	3,269	359	11.0%	1,249	38.2%
1983	2,951	294	10.0%	1,082	36.7%
1984	771	88	11.4%	333	43.2%
1985	2,050	132	6.4%	514	25.1%
1986	2,284	238	10.4%	851	37.3%
1987	2,111	292	13.8%	928	44.0%
1988	2,061	337	16.4%	1,069	51.9%
1989	1,937	303	15.6%	959	49.5%
1990	1,557	221	14.2%	709	45.5%
1991	1,217	206	16.9%	651	53.5%
1992	649	87	13.4%	286	44.1%
1993	612	67	10.9%	235	38.4%
1994	371	43	11.6%	152	41.0%
1995	476	52	10.9%	184	38.7%
1996	456	62	13.6%	202	44.3%
1997	433	60	13.9%	184	42.5%
1998	373	51	13.7%	165	44.2%
1999	328	47	14.3%	150	45.7%
2000	399	68	17.0%	197	49.4%
2001	449	68	15.1%	221	49.2%
2002	467	76	16.3%	230	49.3%
2003	491	83	16.9%	254	51.7%
2004	595	110	18.5%	318	53.4%
2005	565	103	18.2%	310	54.9%
2006	357	67	18.8%	200	56.0%
2007	436	69	15.8%	232	53.2%
2008[b/]	138	25	18.1%	74	53.6%

a/ Includes licensed (permitted for 1980 on) and properly identified vessels only. Total poundage on which the numbers are based is not equal to total aggregate troll landings because of landings by unlicensed or misidentified vessels. Percentages of total pounds not credited to licensed (permitted) vessels were: 1974 -19 percent, 1975 - 19 percent, 1976 - 9.4 percent, 1977 - 8 percent, 1978 - 1.4 percent, 1979 - 0.2 percent, 1980 - 1.7 percent, 1981 - 0.11 percent, 1982-2002 - less than 0.05 percent, 2003 - 0.06 percent, 2004 - 0.15 percent, 2005 - 0.32 percent, 2006 - 0.08 percent, 2007 - 0.7 percent, and 2008 - 0.05 percent.

b/ Preliminary.

TABLE D-14. Washington number of vessels landing 50 percent and 90 percent (by numbers of fish) of non-Indian troll salmon catch.[a/]

		50% of Fish Landed		90% of Fish Landed	
Year	Total Vessels	Number of Vessels	Percent of Fleet	Number of Vessels	Percent of Fleet
1978	3,041	223	7.3%	1,040	34.2%
1979	2,778	253	9.1%	946	34.1%
1980	2,626	206	7.8%	883	33.6%
1981	2,439	214	8.8%	810	33.2%
1982	2,253	181	8.0%	703	31.2%
1983	2,056	75	3.6%	409	19.9%
1984	374	55	14.7%	180	48.1%
1985	1,259	104	8.3%	443	35.2%
1986	1,252	100	8.0%	387	30.9%
1987	883	97	11.0%	385	43.6%
1988	650	51	7.8%	239	36.8%
1989	883	70	7.9%	268	30.4%
1990	897	111	12.4%	373	41.6%
1991	811	84	10.4%	344	42.4%
1992	604	59	9.8%	193	32.0%
1993	474	47	9.9%	162	34.2%
1994[b/]	1	NA	NA	NA	NA
1995	96	13	13.5%	41	42.7%
1996	90	14	15.6%	45	50.0%
1997	51	7	13.7%	23	45.1%
1998	23	5	21.7%	12	52.2%
1999	57	10	17.5%	32	56.1%
2000	49	11	22.4%	28	57.1%
2001	57	12	21.1%	34	59.6%
2002	75	15	20.0%	42	56.0%
2003	82	18	22.0%	47	57.3%
2004	86	18	20.9%	53	61.6%
2005	91	25	27.5%	63	69.2%
2006	84	17	20.2%	48	57.1%
2007	79	17	21.5%	49	62.0%
2008	86	18	20.9%	47	54.7%

a/ All values in this table are based on preliminary information available at the start of each year's review and are not updated in subsequent years.

b/ The fishery was closed north of Cape Falcon, however, Chinook were caught off Oregon and landed in Puget Sound.

Values omitted to preserve confidentiality.

TABLE D-15. Preliminary 2008 California, Oregon, and Washington troll fleet by home state and salmon landings and exvessel value.[a/]

Home State	Number of Vessels	Percent	Landings (Pounds)	Percent	Total Value (Dollars)	Percent
			CALIFORNIA			
California	-	-	-	-	-	-
Oregon	-	-	-	-	-	-
Washington	-	-	-	-	-	-
Unknown/Other	-	-	-	-	-	-
TOTAL	-		-		-	
			OREGON			
Oregon	115	83%	50,876	74%	N/A	N/A
California	3	2%	604	1%	N/A	N/A
Washington	19	14%	17,360	25%	N/A	N/A
Unknown/Other	1	1%	11	0%	N/A	N/A
TOTAL	138		68,851			
			WASHINGTON			
Washington	82	95%	106,500	93%	661,676	93%
Oregon	3	3%	6,999	6%	39,419	6%
California	1	1%	867	1%	6679	1%
Unknown/Other	0	0%	0	0%	0	0%
TOTAL	86		114,366		707,774	

a/ Pinks excluded, except Oregon.

TABLE D-16. Vessels landing salmon in California by vessel length and skipper's state of residence.)

	Home State[a/]															
	California (length)				Oregon (length)				Washington (length)				Total (length)[b/]			Grand
Year	<26	26-36	>36	Subtotal	<26	26-36	>36	Subtotal	<26	26-36	>36	Subtotal	<26	26-36	>36	Total[c/]
1978	2,325	1,165	1,006	4,496	97	176	262	535	5	16	85	106	2,462	1,365	1,378	4,919
1979	2,243	1,152	980	4,375	68	158	210	436	3	20	59	82	2,338	1,338	1,266	4,594
1980	2,069	1,248	1,138	4,455	97	163	228	488	6	25	90	121	2,189	1,447	1,478	4,738
1981	1,611	1,052	865	3,528	64	126	204	394	2	11	66	79	1,717	1,224	1,159	4,102
1982[d/]	1,535	1,051	873	3,459	59	117	196	372	2	16	64	82	1,631	1,223	1,157	4,013
1983	1,223	891	733	2,847	41	82	125	248	0	13	34	47	1,292	1,020	909	3,223
1984	909	805	620	2,334	25	47	84	156	2	10	34	46	951	871	745	2,569
1985	769	731	630	2,130	6	23	66	95	2	7	15	24	795	784	726	2,308
1986	866	815	658	2,339	22	60	98	180	1	8	27	36	898	891	790	2,582
1987	831	759	641	2,231	11	42	85	138	2	4	34	40	854	816	769	2,442
1988	834	788	670	2,292	12	42	92	146	1	7	35	43	895	855	817	2,571
1989	865	771	652	2,288	11	46	94	151	4	4	42	50	880	821	788	2,534
1990	744	653	553	1,950	6	31	63	100	2	5	20	27	752	689	636	2,115
1991	615	548	465	1,628	3	34	57	94	2	6	13	21	620	588	535	1,769
1992	374	369	304	1,047	2	12	10	24	0	2	1	3	376	383	315	1,085
1993	414	422	347	1,183	2	11	22	35	0	3	4	7	421	440	379	1,240
1994	323	341	286	950	4	18	24	46	0	3	9	12	327	362	319	1,024
1995	372	395	326	1,093	4	21	38	63	0	2	8	10	376	418	372	1,179
1996	275	340	283	898	3	9	27	39	0	4	17	21	278	353	327	985
1997	245	297	242	784	1	8	19	28	1	1	4	6	250	314	271	835
1998	192	239	200	631	0	5	11	16	2	2	3	7	198	254	218	670
1999	161	209	249	619	0	6	20	26	1	0	6	7	166	219	281	666
2000	177	236	285	698	0	5	39	44	2	4	8	14	180	244	334	759
2001	142	221	286	649	0	4	23	27	1	3	7	11	1443	229	317	689
2002	153	229	285	667	1	3	28	32	2	0	4	6	157	233	318	708
2003	126	201	230	557	0	2	16	18	0	0	5	5	126	205	253	584
2004	155	250	288	693	1	3	28	32	0	2	11	13	157	256	328	741
2005	139	233	271	643	1	2	25	28	0	2	3	5	141	239	300	680
2006	103	181	180	464	0	1	5	6	0	1	1	2	104	185	188	477
2007	112	200	255	567	1	3	22	26	0	1	1	2	115	206	280	601
2008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

a/ "Home state" refers to the declared state of residence of vessel skipper, who, in most cases, is also the vessel owner.

b/ Includes vessels with home states other than California, Oregon, and Washington.

c/ Includes vessels of unknown lengths.

d/ Length category for 1982 is ≥36.

e/ Preliminary.

TABLE D-17. Percentages of vessels landing troll salmon in Oregon by license holder's state of residence.

Year	Oregon	California	Washington	Other/Unknown
1977	83.8%	6.9%	8.7%	0.6%
1978	83.6%	5.9%	10.0%	0.5%
1979	82.5%	6.5%	10.3%	0.7%
1980	80.4%	8.5%	9.6%	1.5%
1981	81.2%	7.4%	9.9%	1.6%
1982	82.1%	6.3%	10.2%	1.4%
1983	85.0%	3.9%	10.1%	1.0%
1984	85.2%	2.9%	11.0%	0.9%
1985	86.9%	4.0%	8.0%	1.1%
1986	84.5%	5.2%	9.1%	1.2%
1987	81.7%	6.8%	10.2%	1.2%
1988	78.7%	6.4%	13.5%	1.3%
1989	80.0%	5.6%	12.9%	1.4%
1990	81.1%	6.7%	10.7%	1.5%
1991	83.8%	2.5%	12.1%	1.6%
1992	83.4%	3.4%	12.5%	0.8%
1993	85.8%	2.5%	11.1%	0.6%
1994	86.5%	1.1%	12.1%	0.3%
1995	85.5%	2.7%	10.7%	1.1%
1996	83.5%	2.0%	13.8%	0.7%
1997	85.0%	1.2%	12.5%	1.4%
1998	82.3%	0.8%	16.6%	0.3%
1999	87.2%	0.9%	11.6%	0.3%
2000	84.4%	1.8%	13.3%	0.5%
2001	81.1%	4.0%	14.3%	0.6%
2002	79.7%	3.9%	15.6%	9.8%
2003	79.2%	3.7%	15.9%	1.2%
2004	72.3%	10.3%	15.8%	1.7%
2005	73.3%	10.8%	14.2%	1.8%
2006	81.0%	4.8%	13.4%	0.8%
2007	78.0%	10.3%	11.2%	0.5%
2008[a/]	83.3%	2.2%	13.8%	0.7%

a/ Preliminary.

TABLE D-18. Percentages of vessels landing non-Indian troll salmon in Washington by license holder's state of residence.[a/]

Year	Washington	Oregon	California	Alaska	Other/Unknown
1978	90.8%	4.6%	0.3%	0.2%	4.1%
1979	90.9%	3.8%	0.3%	0.3%	4.7%
1980	93.7%	3.6%	0.3%	0.3%	2.1%
1981	92.6%	3.0%	0.4%	0.2%	3.8%
1982	92.6%	4.1%	0.6%	0.0%	2.8%
1983	92.7%	2.8%	0.2%	0.1%	4.2%
1984	94.8%	1.6%	0.0%	0.0%	3.7%
1985	92.7%	3.3%	0.2%	0.2%	3.6%
1986	93.1%	1.7%	0.0%	0.1%	5.1%
1987	90.4%	1.3%	0.0%	0.3%	8.0%
1988	88.0%	1.8%	0.2%	1.5%	8.5%
1989	92.2%	0.9%	0.0%	1.0%	5.9%
1990	92.7%	0.7%	0.0%	0.1%	6.5%
1991	85.8%	0.7%	0.0%	0.0%	13.5%
1992	92.7%	2.0%	0.7%	0.3%	4.3%
1993	93.3%	0.8%	0.8%	0.0%	5.1%
1994[b/]	100.0%	0.0%	0.0%	0.0%	0.0%
1995	95.8%	0.0%	0.0%	0.0%	4.2%
1996	93.3%	0.0%	0.0%	0.0%	6.7%
1997	96.1%	0.0%	0.0%	0.0%	3.9%
1998	95.7%	0.0%	0.0%	0.0%	4.3%
1999	94.7%	0.0%	0.0%	0.0%	5.3%
2000	91.8%	0.0%	0.0%	0.0%	8.2%
2001	100.0%	0.0%	0.0%	0.0%	0.0%
2002	96.1%	0.0%	0.0%	0.0%	3.9%
2003	100.0%	0.0%	0.0%	0.0%	0.0%
2004	96.5%	1.2%	0.0%	0.0%	2.3%
2005	95.6%	3.3%	0.0%	0.0%	1.1%
2006	98.8%	1.2%	0.0%	0.0%	0.0%
2007	93.7%	6.3%	0.0%	0.0%	0.0%
2008	95.3%	3.5%	0.0%	1.2%	0.0%

a/ All values in this table are based on preliminary information available at the start of each year's review.

b/ The fishery was closed north of Cape Falcon, however, Chinook were caught off Oregon and landed in Washington.

TABLE D-19. Number of California charter boats participating in the ocean recreational salmon fishery, by port area and activity level.

		Port Area						
Year	Activity Level[a/]	Monterey	San Francisco	Fort Bragg	Eureka	Crescent City	Unknown [b/]	Total
2008	Active	-	-	0	-	-	-	0
	Casual	-	-	3	-	-	-	3
	TOTAL	-	-	3	-	-	-	3
2007	Active	2	24	6	7	0	0	39
	Casual	21	25	6	4	0	0	56
	TOTAL	23	49	12	11	0	0	95
2006	Active	9	41	10	5	0	0	65
	Casual	15	17	1	4	0	0	37
	TOTAL	24	58	11	9	0	0	102
2005	Active	16	46	10	5	0	0	77
	Casual	9	17	1	3	0	0	30
	TOTAL	25	63	11	8	0	0	107
2004	Active	16	48	11	8	0	0	83
	Casual	7	12	1	1	1	0	22
	TOTAL	23	60	12	9	1	0	105
2003	Active	10	43	11	3	0	0	67
	Casual	14	10	2	4	0	0	30
	TOTAL	24	53	13	7	0	0	97
2002	Active	17	50	13	5	0	0	85
	Casual	23	6	4	2	0	0	35
	TOTAL	40	56	17	7	0	0	120
2001	Active	17	40	10	4	0	0	71
	Casual	6	21	2	1	1	0	31
	TOTAL	23	61	12	5	1	0	102
2000	Active	23	46	9	2	0	0	80
	Casual	2	15	0	2	1	0	20
	TOTAL	25	61	9	4	1	0	100
1999	Active	7	43	2	1	0	0	53
	Casual	14	28	11	3	0	0	56
	TOTAL	21	71	13	4	0	0	109
1998	Active	41	19	6	1	0	0	67
	Casual	16	38	2	3	0	0	59
	TOTAL	57	57	8	4	0	0	126
1997	Active	27	44	7	4	0	0	82
	Casual	18	15	2	3	0	0	38
	TOTAL	45	59	9	7	0	0	120
1996	Active	19	46	8	2	0	0	75
	Casual	27	18	3	2	1	0	51
	TOTAL	46	64	11	4	1	0	126

a/ Active vessels landed more than 100 salmon; casual vessels landed 100 salmon or less.

TABLE D-20. Number of charter boats licensed in Oregon.

Year	Total Number of Licensed Charter Boats[a/]	Oregon Resident License Holders	Washington Resident License Holders	Other State Resident License Holders
1980	194	192	2	0
1981	248	213	34	1
1982	253	212	40	1
1983	255	206	47	2
1984	218	185	31	2
1985	226	198	25	3
1986	247	216	26	5
1987	254	226	23	5
1988	313	266	42	5
1989	322	273	44	5
1990[b/]	170	157	9	4
1991	171	161	7	3
1992	157	150	4	3
1993	148	144	2	2
1994	145	137	6	2
1995	134	NA	NA	NA
1996	127	121	6	0
1997	122	119	3	0
1998	129	125	4	0
1999	137	133	4	0
2000	143	139	4	0
2001	172	162	10	0
2002	181	172	9	0
2003	206	186	19	1
2004	203	184	18	1
2005	225	205	19	1
2006	228	203	24	1
2007	228	198	26	4
2008	237	192	41	4

a/ Legislation that created the license requirement expired in 1987. Annual license fees were between $25 and $100 from 1980-1987. The license requirement was reinstituted by rule in 1988 and 1989 with a $10 fee.

b/ In 1990, responsibility for licensing of charter vessels was transferred to the Marine Board and fees for Oregon residents were increased from $10 to between $50 and $100.

TABLE D-21. Number of salmon charter boats licensed in Washington (including Puget Sound).

Year	Number of Licenses Issued	Washington Resident License Holders	Other State Resident License Holders	Buyback
1975	404	351	53	-
1976	427	362	65	-
1977[a/]	569	NA	NA	-
1978	535	483	52	-
1979	516	473	43	-
1980	510	465	45	16
1981	478	443	35	3
1982	415	387	28	25
1983	375	354	21	19
1984	334	313	21	21
1985	288	268	20	19
1986	308	286	22	15
1987	280	269	11	-
1988	281	268	13	-
1989	276	263	13	-
1990	273	258	15	-
1991	267	251	16	-
1992	269	252	17	-
1993	265	250	15	-
1994	260	245	15	-
1995	231	217	14	23
1996	210	199	9	18
1997	210	197	13	0
1998	198	188	10	20
1999	180	172	8	0
2000	143	139	4	37
2001	142	137	5	0
2002	138	134	4	0
2003	140	137	3	0
2004	143	140	3	0
2005	142	136	6	0
2006	142	138	4	0
2007	142	138	4	0
2008[b/]	142	138	4	0

a/ First year moratorium in effect.

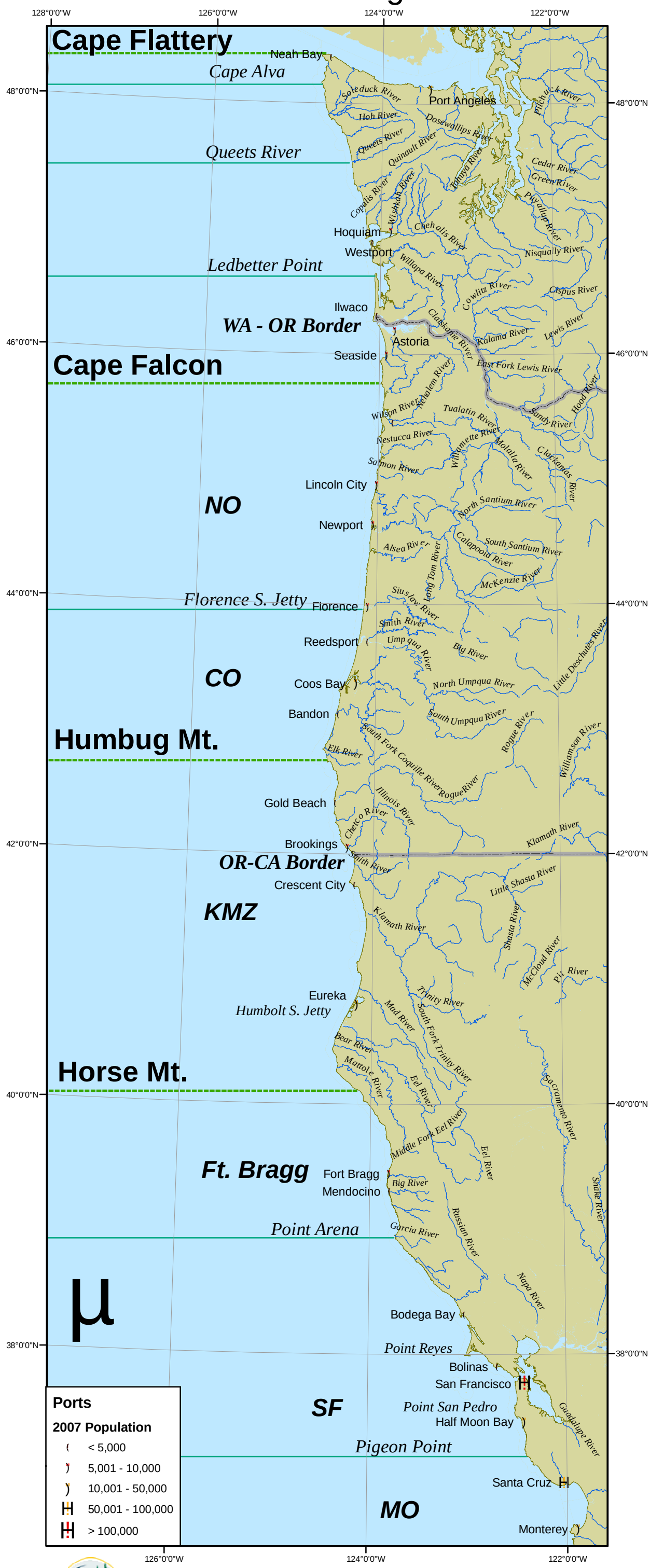
b/ Preliminary.

TABLE D-22. Price index.[a/]

Year	Price Index
1960	17.2
1961	17.4
1962	17.6
1963	17.8
1964	18.1
1965	18.4
1966	18.9
1967	19.5
1968	20.3
1969	21.4
1970	22.5
1971	23.6
1972	24.6
1973	26.0
1974	28.4
1975	31.0
1976	32.8
1977	34.9
1978	37.4
1979	40.5
1980	44.1
1981	48.3
1982	51.2
1983	53.2
1984	55.2
1985	56.9
1986	58.2
1987	59.8
1988	61.8
1989	64.1
1990	66.6
1991	68.9
1992	70.5
1993	72.2
1994	73.7
1995	75.2
1996	76.6
1997	77.9
1998	78.8
1999	79.9
2000	81.7
2001	83.6
2002	85.1
2003	86.9
2004	89.4
2005	92.3
2006	95.2
2007	97.8
2008[b/]	100.0

a/ Based on gross domestic product implicit price deflator.
b/ Preliminary estimate of annual change based on the second and third quarters of the year.

Marine Fisheries Management Zones



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